Julignosus, Oct. 25, 1955 II (0) busit of LCN's by adult-buid ou ground before flying up to attack rue ly deval choice. MMM Lots of T from H, premual FB, by juvenile bends, There attacks by the one tentonal gavi of adults resent-The SCN's die green so often and so loudy by these actual that it suggests that they can extend into regions of sattles strong motivation. LON's often given when I would expect a Long Call expectatoris Call. Attends, but they are well along in the pairing process No FB or regurgitation today (pomber yesterday, however) lust still there exit much violent trotality between the buds. Often their Mc is confined to a vague Cit difficult to tell if returnels or not), V, with Eath LCN on ground is accompanied by definite forward movement of hoad & week. Premmable int. mov. of O's but also after looks ale Fuit nov. This Cast appearance is almost certainly Jollowed ly Kiow's with T's. Have heard one trysyllabie al C: "Kek Keh Kek"
Othewise all mono - or be-syllabie. To sum up: This species would appear to be a typical brooded quell of the atrivilla - pipix can and presumable primitive, type In addition the Trebuigwould ruggest a relationship with furcatus.

stolidies Cotoler 27 Santa Crus academy Bay Journal LON? Builou Colge of cliff Looks like potential nest site: Ones note whenever another the he warty Each note a Rattle or Fulling Coull and Julie him notes but really a sattle), quite weekanical in sound. r-r-r-r . r. Each note anoupamed by slight but aly ente upward and forward stretching of the rick Head newans more or les horizontal Bill budel spend during Julius note Hue beard name note given by grying birds, (from unitualyd postures)

November 1, Guaraguel. Jull of cirrocophalus, but also many pipisan, both pur a november 5 Chancey Pen With when you approaches a tree to steal food. I from H. Hise floiles of jur gulls around. Mostly pipiran It I thule no or new few solvelts. May be a few atucilla in crowd. Just are giving typical jur. LCN's in air november 7 1755 La Poutetta, belchere Mr. Pisco Hern Larus beleken. Jooks very weel leke Herring quell Techaps a little maller infuntestrall maller headed their inniged, not at all lelle Ruy-bill Bill a lego lenglit orange yellow Dark eye (Cooks wall) Fuall black spot on upper muchible typ, 4 large red spot on almost all distal half of lower mandible gues most peculiar effect Mc of mutual VolHF. One is rather intermediate, on "aux" nicle Setter Uner aux" Oux" V head-shape like Miles 's shotographs of Herring, my drawing of Ring - bell

belcheri, November 7, 1955, II. Bell souted run strongly expressed in "aux" V. II. Eigenseur closed, in at least one care Carpal joints while, but not held out men gar Poice of this spenes quite lange Lame" in type Gethaps particularly reminiscent of Julianussus. Rather musul Move seen one, rettier slight, Jewapa Joan: about as extreme as the west extreme Ring bell patterns Leverp scrowpaniel by rever of loud, rather long, LOV's Morreal Lagra enough or Juguentty enough to be able to describe in detail Itilly some aspects du obvious. HD is about rustical head pointed thought down, not too stellhed 3rd phase Ois low, straight. Neck not very stitled Horizor of All in all, this spenes news surprising & Cake the Herming Gull and couline the King-bill (A) BAN Vafterattack Ch. ch before attack - vafterattack V. V. OMC MC U-HFlyg. V-HF-HB-O-Ulyq Concetton. Carpal joints held way out during HD the nucesding of have hard only two phases: HD-0. Lot of notes during o

belchere, nov. 7, 1955, III

Thohug looked juit like one type of Hennig Jule ch. Inosquatting



al C. after attered in air Totes like "lang Lams", but out 2013 yelheles, like Hydrocoloeus. I. E. whole preformance is rather like modestees

But were lettle white topping of scapulars Original scapulars Laine -



LON's on ground accompanied by net mons of HD.

A small number of welcheri Bather active Bremenalely bruceling wearly.

Color of pipixian. Colmost all jour, rest almost all

imm. Very whattwe.

Pery wanterer

A few insocophalus Adult, won-nupt Very

inactive

november 8 1755 Obigo, Crear enca. the Ballesta Is) premails calm down a little, stellflying in Tiglet flock, a boarse "rusty" "twittering round. "Ka ha aa ha... Jour of glike? betransculedas "Waah" ICN? Bollestas Islands Eliground. Voert variety of postures a movements 1 Chattering a high phase a now frequently repeated feeus to be largely ducted toward companions bright ghase veres from something like a stretch to something like anupright Bow pheese is very rapid, unternameous, much shorter Thou high phoise. Bud cet bottom of how looks rather like Gaethestelling Cleansamed by the rapid, alione, green in air I think that call continues during Bow, but it is so rapid defferet to tell

Lound suight hetter be transcribed as "Kels hels hels " , luit ro rapid almost a rettle. Very reminercent of BKK, (is round ricted in flying buils). Bill opined for little) and closed my rapidly 2. Stretch felevit Bell closed. On landing unally Looks much like high phase of chattering. Not quite vertical 3. LCN. In more or less V porture. "Walh" note Bill aprived quite midely and their closed. Often directed toward me. 1. F Leen one Loalisquite lelu F With a roft whening 5. Algg. V. Quite clear. Short meeled (Ce. Celeo-rometting much leke Ch portere or sustanced bow-Chuicha fud 7 Something of an overial Statile with glide B. Perulian Hor F portice Miglitenen le & FB accompanied ly slight up and - down head more Ila ments, but primarily Response of back of head or whole head. Ho ruate was chattern performsign of T & how

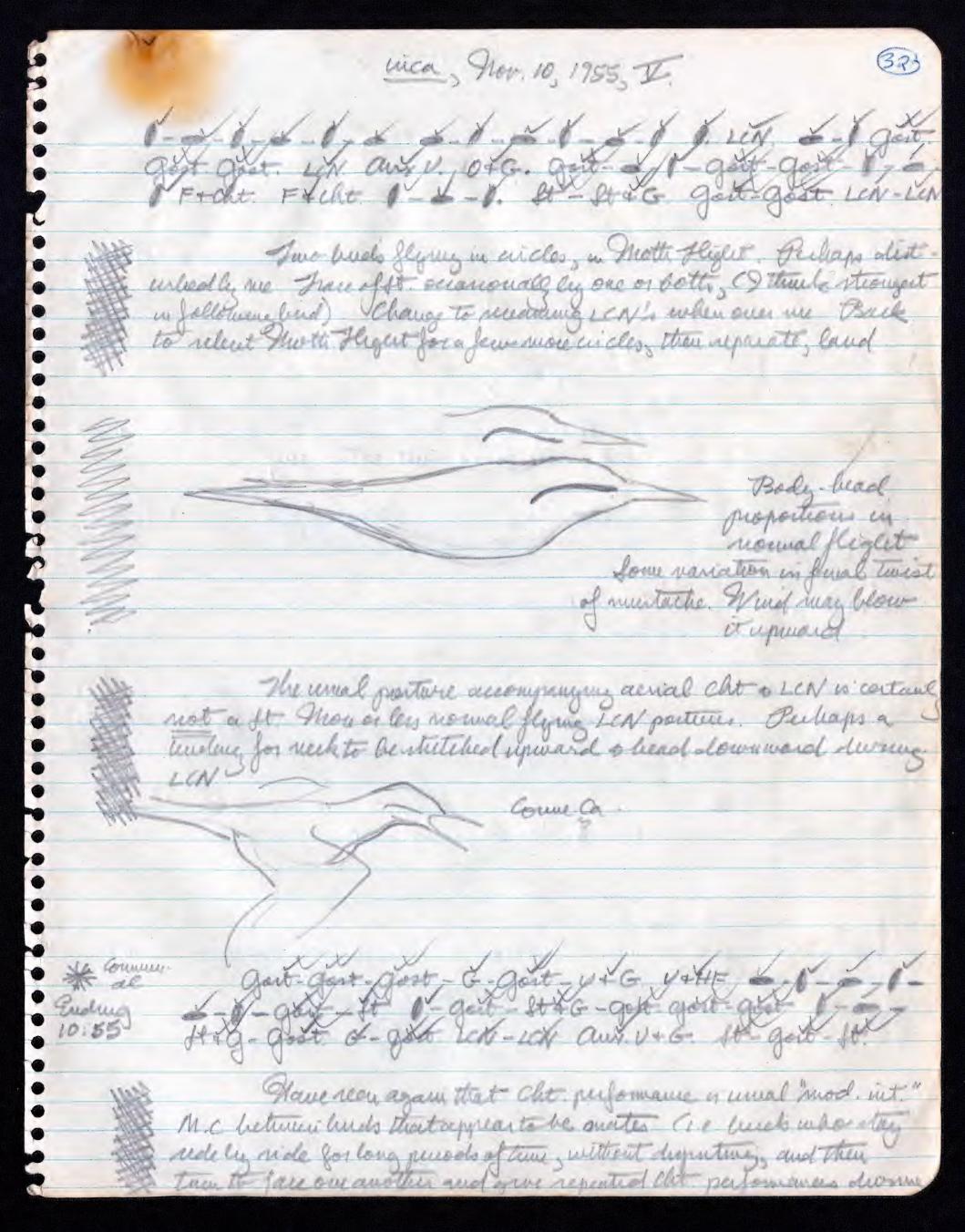
November 9, 1959 Mea Chricha fur More about Lacosterna inta The pendear hunch with engle (H+R) is a form of FB apparently Law a of do it to a et, for several seconds, eventually including of to mount. Me head monement, especiall when there is only one wolated low-internst movements is quite reministent of short distance HB. (... head - bobbine, in the Bh.g. This copulation was apparently preceded, by several not ree the cultivening patters. Infortundity, Dolid. The usual M.C. appears to be mutual Chaltering (Cht), with both (1) and low phases (-). This may be followed by some sort of V+HF; but I am not sure whout that about that Cht. is perhaps less aggrenive than Lev. It is my empremon that LCN is particularly belief to precede attack attack call is perhaps a version of the LCV. Ferhaps in it cit the clewar of the charge taken aaanh", (Boston auent a) Muraday Mar. 10, 19'55 Ohincha Fur Watching vice o on communal area of roches, show una some luhardios

inca, Nov. 10, 1955, I. Some Cht from "F" F looks rather like low interest formes to other when wiel give line lot to another lived some clutarie (2-3 ft) away and alight below. Many Lebert Panis mally in bell. Hy affin circular flights from time to truce, unally returning to much the rame spot that of this any response except buanoual hortility from neighbors. Copulation althort again unwediately preceded by of in H with R. The slight had movements defruite accompanied on opening sclowing of bill Couldn't hear sound. Then of who bas been standing in V Clougneels, horzontal bell, not very agg"), with oceas, Grettre stellings and OCB's mounts stands of behaves like of gull, carening his breast, etc. Their of attacked by verglibor queial pandemonnum q stands ni ago" seen reveral apparently releast Stratutes (St.) By one level when another lands cloudly. By landing buil after landing near others. Low interior " greating " > Much of this St. Cooks like of the performance without round Some connects on LCN & related patterns. Often anounanced by incomplete or complete raising of wings. This is obviously fruit on cut move of flying and the linds do a lot of it when distribed" Buds also stand in LEN porture with or with nort of Gape pattern; (6), and way well be a low ruleunt version of the LCN pattern Explanatory note. I put up bluid yesterday afternoon in a spot where their had been warm terms the day before. But yesterday there were no berds! Then this morning 6:00 a. en, there were lots offereds on rocks 30-200 yds away from blinds How 6:35, they are making occasional flights over blively

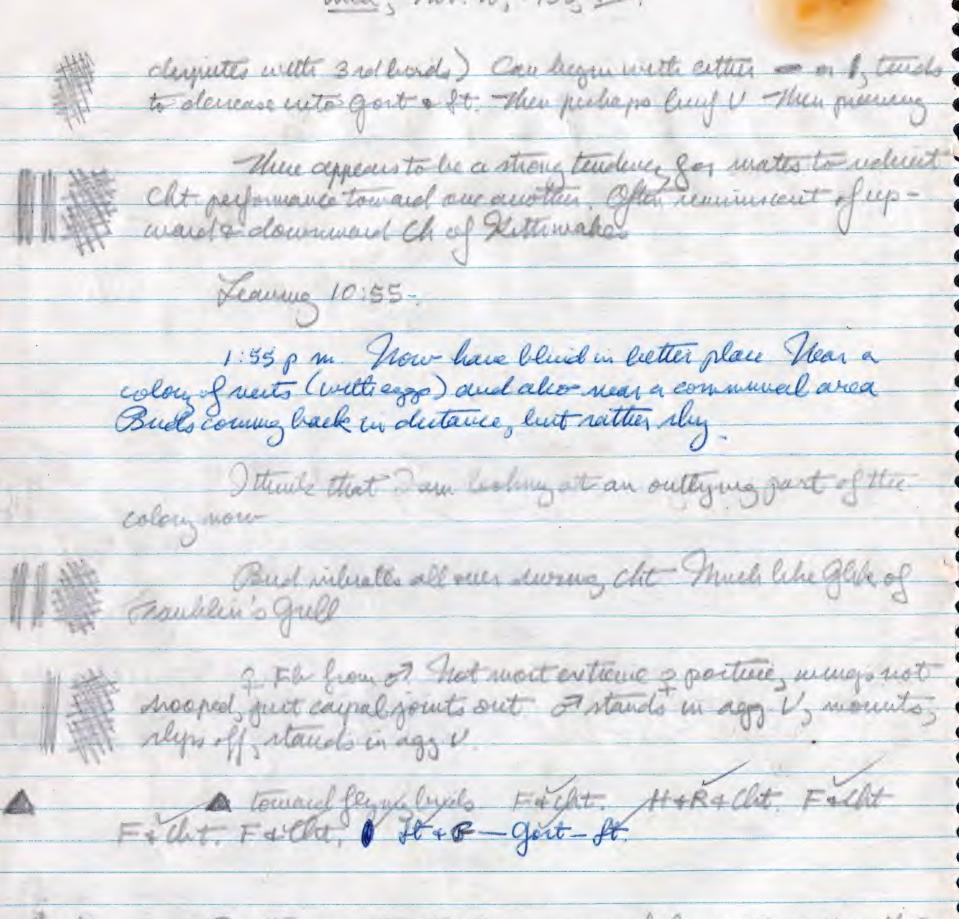
vica, hov. 10, 1955, I day before yesterday Hyoff regain investigately in filent Planic. It process of colony - occupation? On first reaction to preserve of bluiet? Allgone now 6142. undertone, but slight collaine, much loss compienous than The lives not back yet 8:00 a m but I don't think that the bluid is whole to blame. At least 19 ree, in the far dutance, groups of level making flights from the rocks to another potential breiden, deplace, Can old destited shorte, wett lattice work spening at the top, where they only remain for a recover light returning to the rocks Leaving alwel to go watch communal area on rocks Sommer thetile nort of business (8:10) V+G. St. ICN. St. G. ago. V. O. LOV-LON-LON. V-Facht. O-O Goethertellung (gost) - O. F-Cht. F-Cht. & communal area M.C. of ages v & more wither ages v - HF-agg v - HF-agg v @ M.C seen, the Front cop depley rented 1 - - I - aux. V. of their few

mica, 900- 10, 1955, III. age V-Faclot O. V. V. Faclot F * com Ou yellow; but the does not appear to be cuplianced in & gost-V- preeding 6 MC M.c. of ago V+ HF. ago V. + HF + what looks wie & CN, but 6 Mic "showing, the back or the note of the broad" In any case, it dues appear to "remove" the bill When relaved, bead is perfectly rounded straight of almost Course ca Howe now seen acrial St. with glidez with unusually rapid, alward vibrating, wwo, beats of small amplitude; and with rounal wine, beats (during filest Parise). any. V in this species is exculably same as pre-flying posture Tendence for call to cean during as lut this grobably varies

wica, nov. 10, 1955, IV. acrial ft. porture from another that had serged its tall in nurd-air when the ougual purmer flow ahead ones head Then hell opened still in At, an LCN more cettered II I think the buch reparated after the Her bud who did for in are landed, you want it mentale continuation of acreal It it had remundatte LCN Therrelaved gost-gost-gost (this appears to be low interest four * week. Litere between gosto lust bill is gosited slightly upward during the relayed parties) gott-ft got It - ft XC. 111777 Stynia levels by a but on the ground, at least, quite common foundances. I think the wite common after acrial figer about 4 times; their begins to fly normally with flack no trace of It during this West flight But back to bluid . Ported a couple of time; but Y-ON JUN O-J-ON SON - JEX



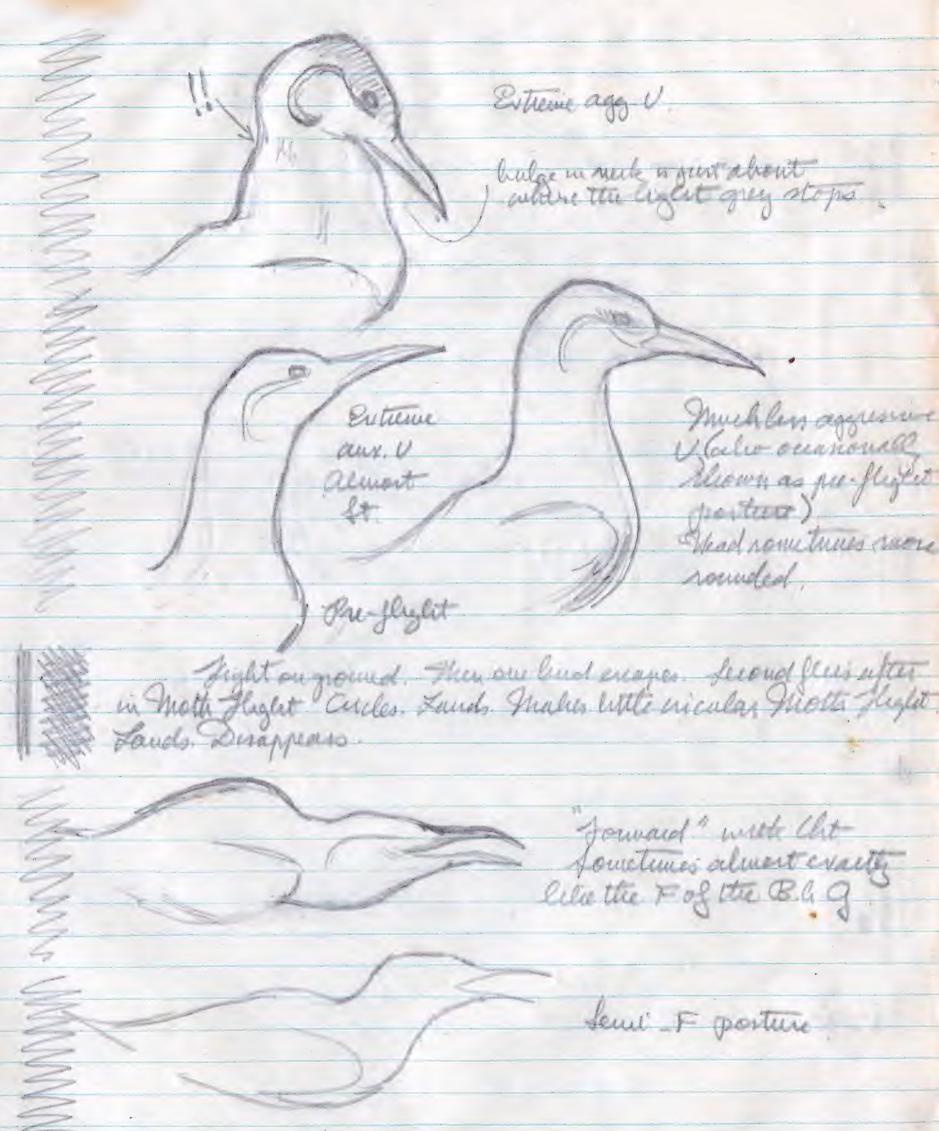




Two district cop attempt again numersful QFB in Hwith 15.

St. after attack apparently territorial defens

man, nov. 10, 1955, III



mica, nov. 10, 1955, VIII

One lived touch on rocks in distance Just in mouth daugling flunds in news - H long time Then another bud lands my means does I got VYHE-Gat V-pr-V-pr-Valley The had with fish makes some response to I - performance, as if down new low wheret I - thet Thenguit set faming the toller trick (Too far diday to hear rokereds. Buil with fish may have been calling contentione for all I hum Other level fles away Brid with full feet its Eventually fless away too, in relent invitual god flight. had been doing it on ground Don't know in what admention Hughet just pointing home here of Projects heer of Pequeno The usual ICN does nouved between two of muty himse County war war toon En "attack" LCN and and and "cake" also higher petetest, "purer", more planetice version our ven cht from definite and v Aus most be relatively rare, do all the illent patterns was raising of wines Reported During Entra- excipies dispute Buil not frightened by my

mca Nov 10, 1955, TK Definite that toward flying tried fruit in Hwith R, then
I also noticed that paid four notes of that may be slower than
later on, and that there slow notes are much more like LCN notes in quality. (adding there incidents to count on p. II). ly the forgonwance that I Stidn't catch followedly rilent St. little olonor Bud with fish flush in remi-H. Secholangling Their another bud lands. Buds facus one another. Hewcomer Clocks largerthan level with fish) immediated begins cht beginn with something similar . - It Couldn't bear its call but tail velicated as surring Cht. They level with fully flees a way. an circular flight a Other hand flees off. Other had backs. Bud Bill feel back Organ muiteral deinlas exactly take bufou Other bud close - - - - - V4 HF Colique De DeB Bud with such does - 1 - It again bud with fish goes on wiculay flight Buck Other heret does - 1 - V4HF + DCB. Bud. Owith fish clos = 1 - V - eats fish as close HF. Bud Hat lad fortifles of Doem's return for reveral minutes Low internet St St + G - V + G after attack during territorial defense

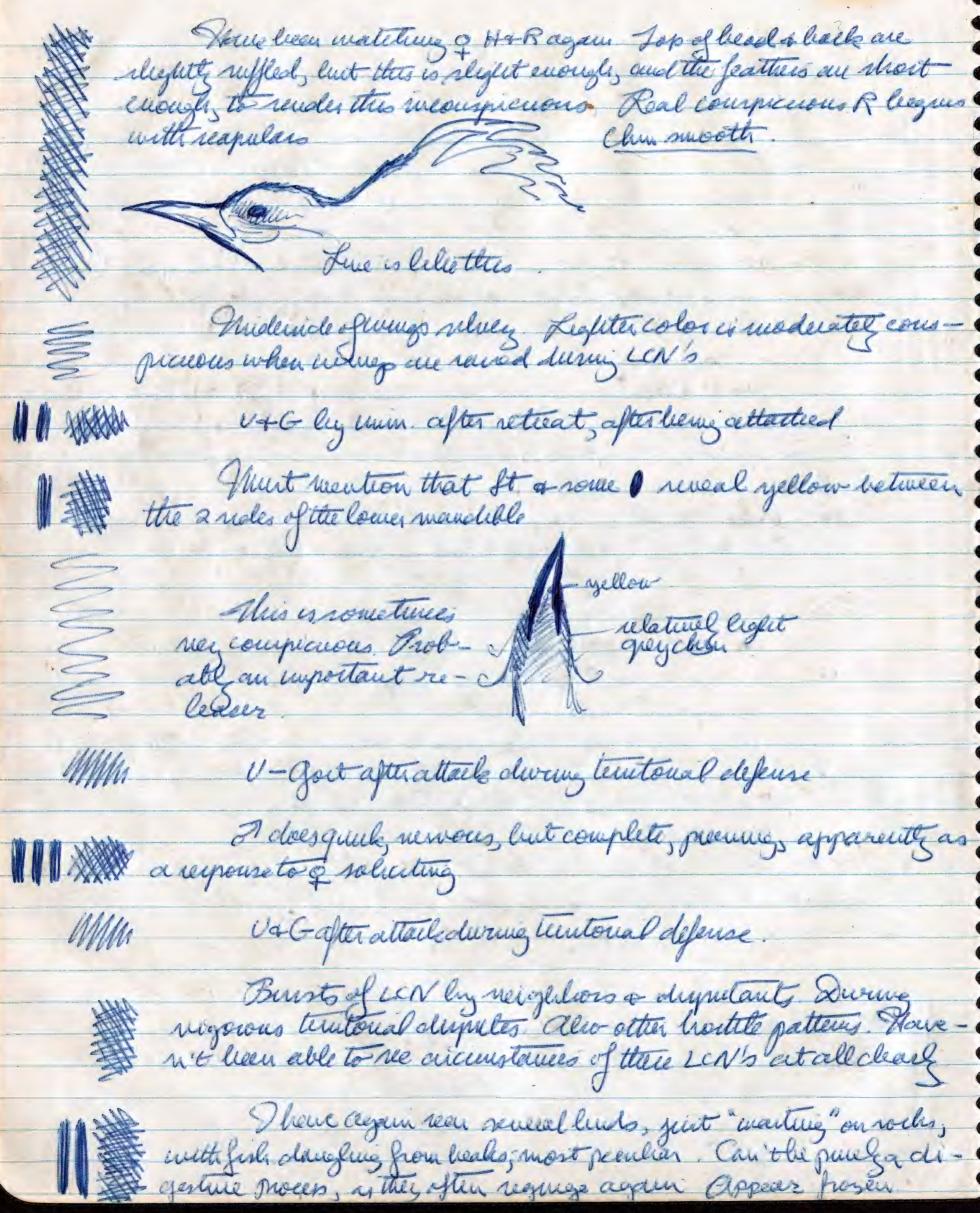
ma, Nov. 10, 1955, X Jenitova Christati H & R & HB lowered another laral, a few feet attacks second ? Then feet attacks second? I have ago V + HF + slight & - ago V after attacks 11. None of the H's with R I have reen today have been with riall theophy wings. Perhaps latter is my unied, precop. The buds I have seen have fruit had they super held out as in usual thuat rellow Pungafhauflech around runs of q at least, is bugget It a G after attack cluring tentonal defense It me extreme Another compation attempt. Hearly, saw well & bigues, ley going into HARA HB Bill opened a cloud slight during the performance unally opening on down beat of in age it, perhaps once or twice OCB, unall bill quite closed certainly quite whent of circles of repeatedly in same H+R+HB. Fitavels more or less itation any just turning to face of of appears to be getting frante finally sides backward brevide of backs into him, their starts to turn head from ride to ride, our shoulder as if carening or's breat as during Copulation of finall mounts of grewarms in H. Still turning bead from ride to ride. (Note about of's porture Her carpi tail raced between them, when I mounted this time throughout copulation). of just steines Juale copulates turce a continues head turning before a believe of the off or does agg V+ HFago V - relaxablegui to preus of receives H+R+HB for a record, then Maris of prems 3:45 Jeathers to some extent. Mane again been watering punitent H+R+HB luge.

Cricling round & round & chasing of Her portine is really remark-



all like F of B lig. Managed to lear round emoupanying HB; an extremel roft "was " repeated with each down beat Chillena neighbor tutuded, the & turned to face it, continued H+R+HB but round became intermediate between nomal HB round a LCN. The high plaintive LCN I mentioned earlier) Noticed that o's abdomen feathers ello ruffled during of PR+ ItB Wings not disoped. Amal or response to of was every U. o retreat. Oceasional remi-HF movements. Tresponded to entremon by Fo Cho Elice went down ento Hattace of R. Then remued Fallit be was in age U. his sterpulars were slightly raised, as a tact but no right of R. 4:05 That It, when not a "relent or LCN" is rather short-necked. Lelie a V porture supemposed on an F This whole the performance is remarkably like both the Glik of Franklin's Gull & the Ch. of the Kilturake Call itself is probable strictly homologous with yells of Franklin's amost their fellows in a communal area. Then beguito procen Long continued a sistemed & in LCN type Oposture Wing raised each time a bill opens. Looks in fact just like extitue LCN lut certaine selevit or call at least as weak as HB call This pattern can the too low-intensity although preumably mealer than IN still





inca, nov. 10, 1955, XIII Wing- mining is almost inevitable Peculiar viciolent. Buel premable of lands heride another, premable of "o" with fish Just stands for a moment; in usual full canying posture (with me well call "Fish-Oblique" FO). tace of R. of goes down ento Falso Cers extreme, and probably selent. Then "g" Les to another of premually her wate. This of and the other of "then go through a multial Chit with a performance followed & mitual C Thus this "of "and the second of " Debave like mates
The fish canying "of " weamwhile flies to another bind, presumall a second of and sits in front of her with fish. She goes
dolon into HAR, and begins HB. " " just sits, Junal hands over fish Then, as record of legues to wallow fish, a It blud cettempts to steal it; and general pandemonnin Chunes General fight all fly off. 5:40 Does the incident ruggest that your formation then on Executed and bying to get of is on enough the accept Leaving 5:45

front Christa D

Bluid same place as yesterday afternoon Enter at 7:17 a.m. Day clear till cool here in shadow of elyfs Birds still a little sley.

Note about real" It have reen it against again by lived landing, moore full wat too year others. Thurs more vertilal than most of the stretches which appear to be "silent" calls. He hops body rupe horizontal and neck a trifle shorter also

atwied at all.

t warrant

displays 2-0-2-0-25-got-0-got moralde It - I - I - It got It got of I - - ly ure. deleures gent of got stagest stagest of gent st and redirected on quate agy. V before attack aux. U - V before attack - St. after E am allering Court extreme remort and V JEN-1CK-LCK-LCK-GNN-04-05 V - 984-14 GNN-18 GOST-16-16-16-16 - 16 Julyon allayle - Valley allays be gost-14 gost-V St-F-St Min. V Juneo retreat V gost-gostdefeuse. Con at least worther on (initoria)

gott got ans v. before beage and v. F+G-04G

after allect - UFG. LON-LON-LON LON-LON LON LON LON LON

inca, 910m 11, 1955 IL. M.C. of and organization of the Vigore of and got d Mc 6 Mc Usual just flow by. In extreme St. at frist a trace of Moth plight, wing beat my rapid, but of remarkably strate amplitude (no ruse there 2 "at most). They glides white cout ming in extreme It This St. definite relant Bud soon olisappears from mon around a rock the reolies. Good gost gost -1-6-0-1 get It got staget -0 - 1- staget It Mg 2 st aggle-got v-got v q v-gest v-gest O MC Congressions at times. Toward flying buil. Facht. the Calone, no porture) Facht. Extreme Fo. Violea that week is sometimes quatte swollen while weren that feel must be partly swallound. Occas, regurge move > much formatines, head a little lower moment. and, Then perhaps reminiscent of M justine or I posture of some gullo.

mas, Nov. 11, 1955, III.

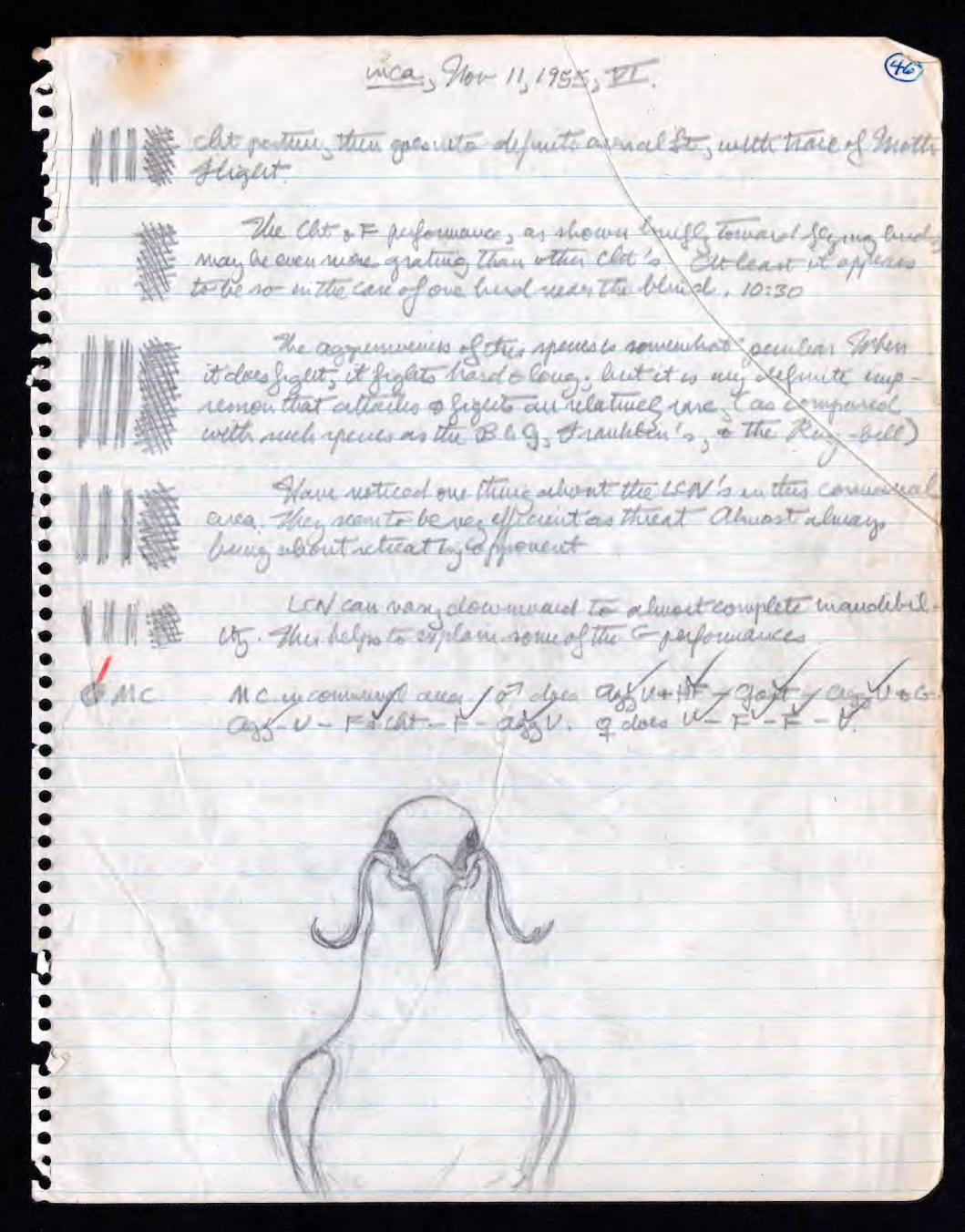
Interesting in wheat. apparent of Clarge Just feel in bill approaches against a (small). I reset by to a cht, - agg V. -Frant - ago. V. a just stands in pasture varying from sent - H to complete F. Ithen in overtextreme F, a trace of R. Junelly flees away a few feet of thouselaves doesn't follow him ot stands in F for a while, small wallows file ore oce france. Then unolved in some attack with another lively can't follow it Both of of remains relieved to puening 11 - 12 my advances to analicade mater of * terr agg. v-gost- agg. v before attack construct agg. v. apparent mest site selection commons ! I dry and M. E quite mutual ago. V = HF - ago. V - S - 1 - gover - ago. L of walks owney in ago. V. Flatlows in ago. V. of goes from potential until sete to potential ment nite, 1, e crevices and Rollows under rocks Back place the leads down reported of the a series of Gosto). From her alves same thing. But of orientated course on them a semper ample (we utilist turning). Then a walks to another site our day V. . I follows in ago V. Then whole performance repeated. Law of sites visites in now - sefere bud disappeared around boulder \$:40 K ten et alson attaile. Det ont during netical - et after retical. * reder. St- Dott - St - Out - St - O - & - O - & - O - & - - -

Jon a Silent Pawe 8:50

d. 1-6-1-1t 6-6-5-1-15-get-lt-

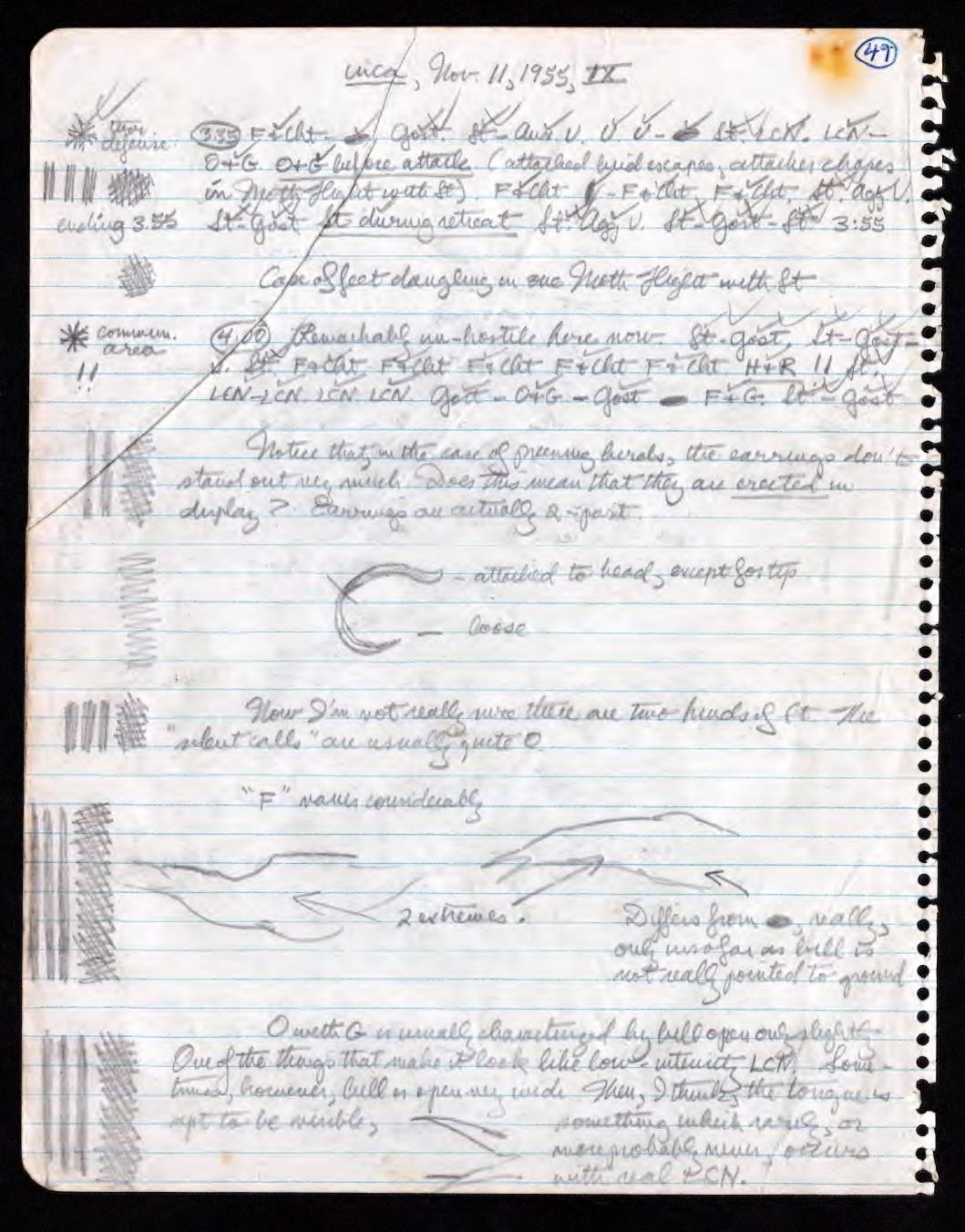
wea, hor. 11, 1955, IK. w. redir. got the got to St. Fredrick mate 9:35 Friht- goot-let 1-0-1-5-0-5-1 or file Fillet During there hours of mutual displays, provated by an introduce could reduce ted upon mate, it is noticeable that mates there tend to do the name things but are only synchronized part of the time. 9:05 Mue. 9:05. of does agent with gent of the D. V. got - V- got - V- got - V O MC Wateling another copulation. Muchas yesterday & HB in H+ to with much head turning of in age t - - - age t -- Tog V. agen slow. Fitte that q's yellow-ruged closed is constantly opening oclosing during ber solicitive This may be visible to the of in some circumstances; as the whole rects end of her body is tilted & raised & claim, she about droop her wings will of wounted. of copies and twice Then did off. The display by q. agg V-HF-U by the 02 9:17 III W There is abusent certainly no Copulation Call in this species 多川川 almost certains no alarm Call. 雅 作队 Cluent entarul, no Londonio Call as earliers but in a different over Behavior juit as described More twice rear one of the lunds in filent Paines be use in Moth Poglit + arrived by Importunately didn't see what provolved the james.

inca, 900, 11, 1955, V. Bud fles in acual by with Moth Highet - office after been buy of aireal fight - This lived was aggreence hering fight. * defane - 15 0+6 aux. V. ag. V. ag. V. after attacks. end 9135 Begin again At after supplanting attack by immature bird! Quite as extreme as most of those of adult less or gost later on I 9:35) St-gast- et-gast- st-gast- st-gast- st-gast- et, Len-Len-Len St. St. F. F. St. gast- st-gast- et, Len bujere attach- - Len after attach 18. et. et. gast St. St. D. LCN. LOW. St. St. St. St. St. St. St. St. of cerral to with yerole. V. b. and v. aux. v. salte. LCN-LCN-LCN-OFG. LCN-LYN. L'ataria LEN - LEN before attails - LEN after attails. Strafter attaile by immotione. ago. V. by immature Statement St. St. F. Cht. No. F. St. 988 St. Of the Control St. St. Cont. V. linford attack. It ICN-ICN-IVN & J. St. St. Cont. V. linford ICN after allace St. Good St. IX. Good - IX. IX. Good ICN after allace St. Good - IX IX. Good - IX. IX. St. IX. Good Wirming. tuding 10:45 WHE I Thou both begin to preen. OMC. Grotice an interesting performance Cincluded in countabour Bud lands in communal onea Does St - aux-V- attails a bud a few youds owner Father flees up innerliately attacker charces levelly, bust grues buel burst of the in areal arrival



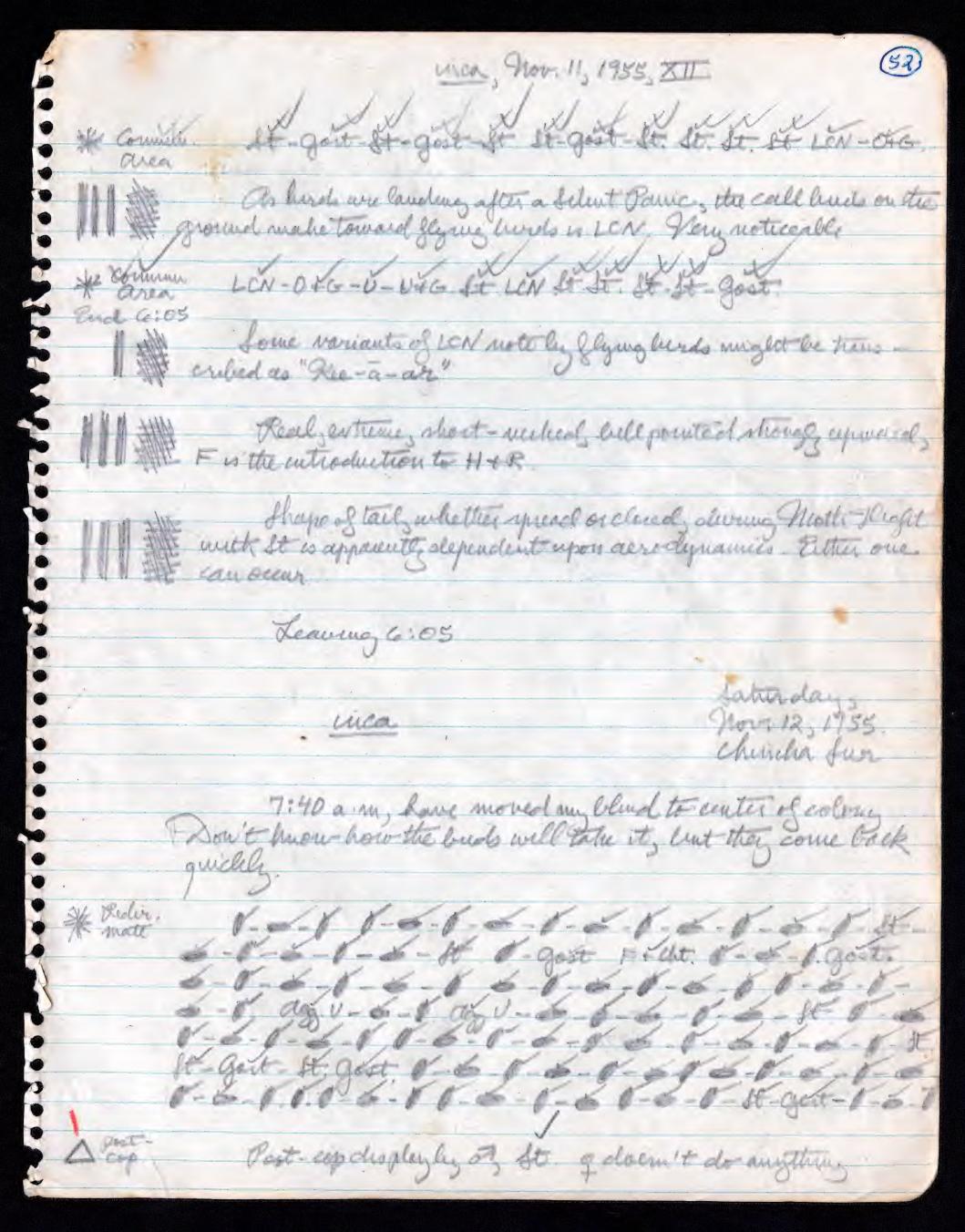
inder, nov. 11, 1955, VII St-gost-St-gost-St * reder, Sowert back, if the nutral - O performances by mates
are apparently not provoked by intursions if there levels. Suit recento start off in vacuo Seculiar windows of Connected with paverne One buch (") hours full to another (" ") "o" in semi F Olio " Combe some Olit in there remi F's often of runs around with feet, bull sur Course protending longitudinally from Cell as usual. In FO portue. Occasionale rejoins "o" or the reguens her Then " of "doe cht performeruses morth from F and lettle 1 " o" then rometimes closes same thing, more or less Furnally weaks, can't tell whether round or mot (Feel carryen, Devel always seems will have pered but Parties sluggest, don't to desplay proper). Their g walter repeated Cat least 3) arcular Miglott. Out unritualised Verling comes back to 3 different sites, in some gential area, but represented by many naids and terretories of other birch fourtimes lands a mobody pays any attention " o" just note ne more or less FO Sometimes thantened (age V) her maily livel - Men " o "reteat Green often there is nowe display, mutual with a wearly brief of in FO, surrouse, Fill Decas, a or Goot Thomas the Sittle and west west retty way continuably heactompanied by trace if scraping The bed diglander with o" which they or way not be the original of "each time does more varied displayme. Essential from alternation of are V + HF and Chit patterns, most and F, occasional goals verlings and or two Almingt confirmed after the as then no repeated enomous, Sibut James throughout the colory Print the " o" w back, with fish at Cast Twee before I love her again 12:25. The back agains again To the rame there retes forme tunes a low others. automit, approached reared hereby Conce a commentation pair which may be reminfront . Little

wica, how 11 1988, VIII well as legets in between theest stars in Fo when landed Most of the times, it land and our particular had Probable original "09" Digitarp as before "0" (a F+Cht; q") occasional chit in Free, of "occasionally in agg. V Thuch morning about, not one account of circular flights or Jewille on last return from a terrentar flyle "o" swallowed fire They she and "o" oud much palading pround in age V, V, V+ HF, etc. "g" goe to a next-rite oute, a grapes brufts length & dull inbroglio), 12:50 Leaving 12:55 Back 3:12 p.m. Berds come lease Jang quicky. Both buch do U4 HF. Hyung porture of herol carrying fish in incident alsourced (- prosument curve (almost as in ft.) Moth flager by ath buds, after one attack after on the ground To St Extreme Moth Highet Bud cicles wette body almost as vertical as head & bill after some rost of dispute ou

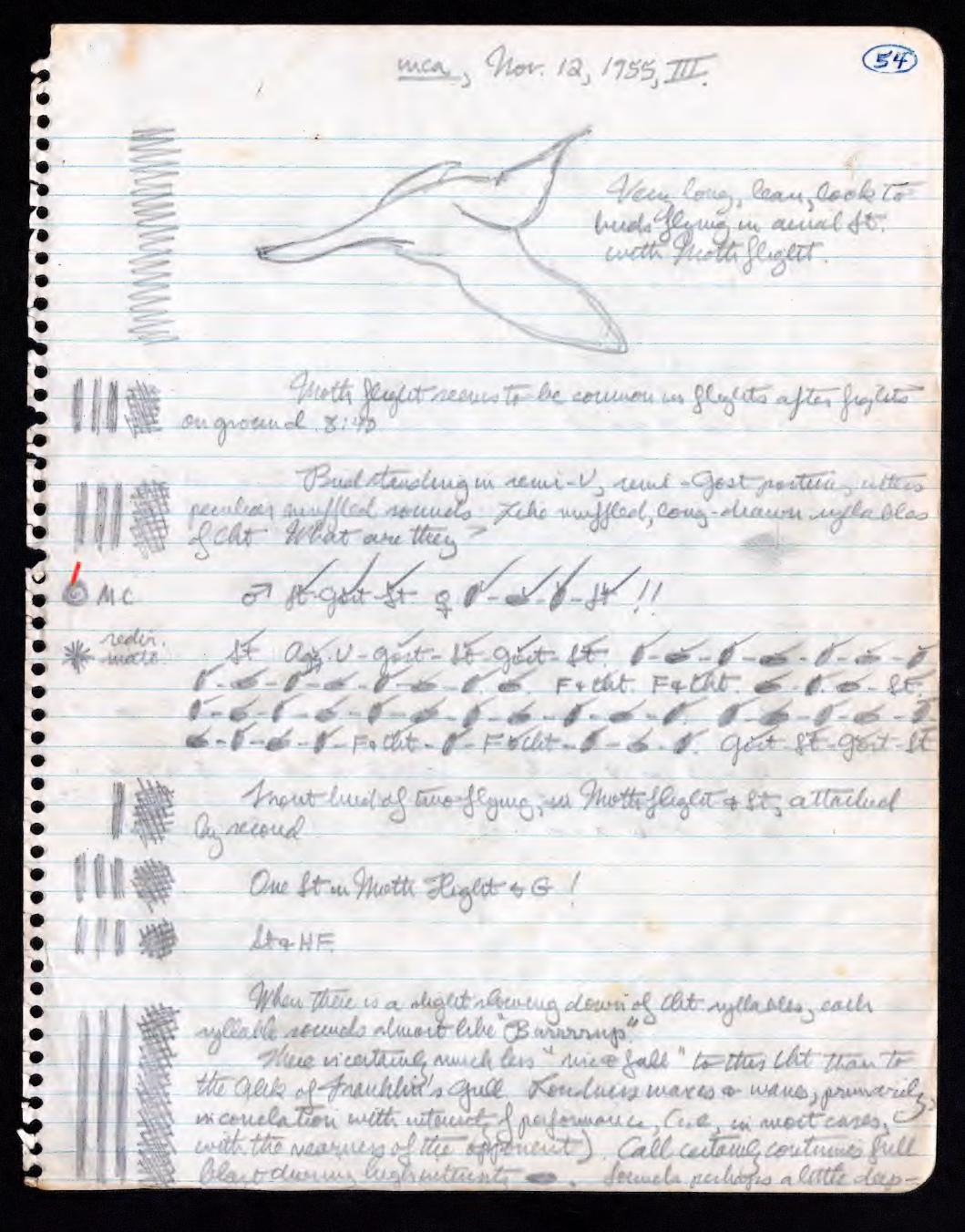


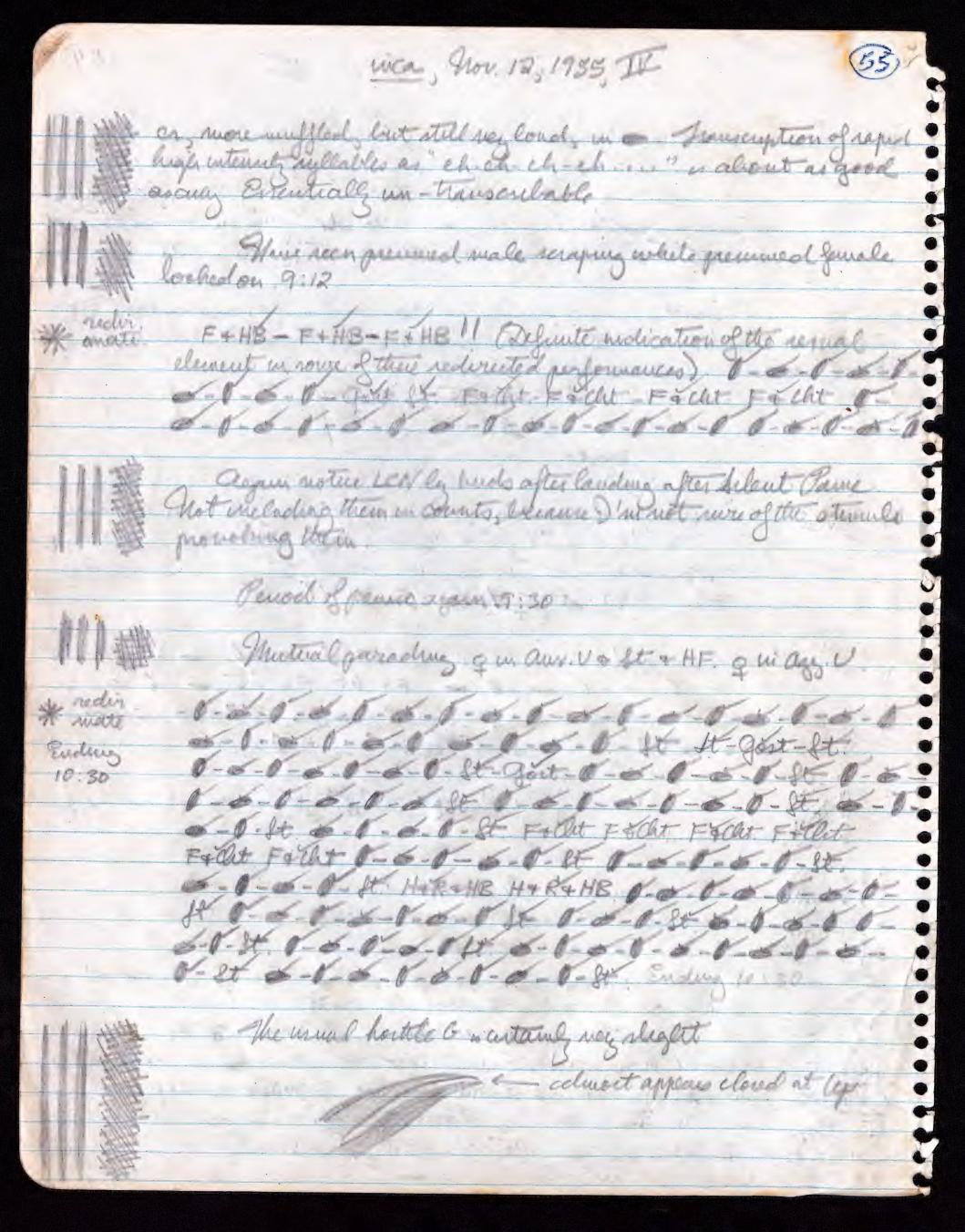
(50) inca , nov. 11, 1955 X There are several other putteries which may be produced be porteto snotwation; but which I am not counting. Axions there are OCB, head-shahing, and preming. Speaking of preening, in cidentall, although I have seen plents. I'menous preening, I have seen nothing that looks "coremoural". The preening following M C's is usually relaxed. Way during Hoth High with It especially when body is slightly telted Cas Ithink it often is - slightly I are usually or afrato apparente "heldalione the lode" ilvetty. Q.P. Hor must found alight shedral I think that this is true over it the bottom of the downbest 4:32, There here's actainly have far more wilent Poures than any other Carried species I have Ever studied at a comparable stage of the breading each (i e may writings) LCN before attack - St & G between attacks - St lieterien att -* defense Cers their a minute). LCNly apparent low interest slow portice lumature before attachens. * commo LEN-LEN-LON-LEN-LEN-LON-LON-ICN. LEN-LEN-LEN-LEN-LEN play postures at least. The V's. Probably all the ground threat portures The unature bush are certainly more aggressive in the command areas than the adults Jend, Sthub, to de relatine

inca, nov 11, 155, XI. more sumply attacks, without display Repeat St porticto Emphasy e ougles of livers to - Most of the flostile diplays can probably be ochemat God as Jullous. ago V - V - aux V 4F related LCN3 with 0+G and V+G as low- interest lowers 2. Cht palleus 1404 F. OF intergrade Me alternation of gost of the is probably the low nit snorty form of this pattern Ugg U, V+G, O+G, ICN, and F & Cht are obviously threat. The interior clature effect of the other gatheries is less colls picusas Does neur To extent housever; at least in the case of When the houtelets wat its lowest in the communal area about all you are are It, and gost. and there are infrequent But when hostility increases, you not only get other palleus, you also get more of them. Her wans that me courts of commen celarea hostility are biascol, as a quide to low interest hostility They will trust to be "showed" to the augher cutionity and at The scale. One slight point neight he emphasized Low enterests It may be oblique, but it is short reched. The low interest of O+6 or LCN totals to be like a long-necked W, at least moder ato long-neched



mca, Mor. 12 1955 II. Estrevie aux. V. posture. St. St. St. Ficht Less of State allers so the gent of the state of the stat god. Strafteratteris straft-gost. 0+6-0-gott ren-ren It is fourly abreaus that the west extreme ago Va, restricts the organization of stress ago Va, restricts very nost + plaintine - St might be transcribed as "or-ah", neck, nort of an Edumber little of HF





ma, nov. 12, 1955, I.



* defeus LCN-0-1CN-0+G-1EN-B, LCN-0+G-1CN-0+G-B LCN LOW, LOW LOW LOW LOW LOW LOW-LOW LOW LOW LOW LOW X discount LON LON. Org. gost. LON-LON gost LON-LON-LON ago V Organ the whole attack-agg Vatterattack ICN LON LON LON StraGatter burst of LCN & 07 attack ich ich Ox6 LON LON St. St& Gafter altrick St. 0+6. apparently directed toward legand. !!! Chretting about reduction upon mate a Cht performance. Frot only do the mater turn to face another, they usually turn to face even enterthe next causty LEN-016 LEN-016. Fac before attack - It play attack * Legein It gler altack st st It gost Pushing 10:38 Obejou attack - OFG Culou It after escape It after attack attack. agg v. after attack. Moth flylit with It by attacker after altacle again Jouelest the variouts Obvious hely intensity bugles Explain rome peculiar features of my fragures rouningover my blind again. 10435 again some pairing Ocharros Much as before, but son surch neaver and in much greater detail. or (quite large, almost nure of lies rev), stouds with feels (arunal half-down throat, tail protruding long, tradinally) Just stands, looking half-stupefied author had appearables him. He attacks it fluitfou little evicular flight apparently quite unretured the back their altruation of little airs ulas flights and periods on a round a seron for a love time

Each time when the of comes back, he comes brack to same small dreas and spends much of the twice setting half stupefied in FO But also does other things fowetwees buildspute with neighbors Tolors Forthe then Relatively race there desputes accuple of times of approached by another buil of just uto or closs to the Shew advances toward other brief (who has not duployed, just in weak new - aux U, fauthous), and other and feels off Sometimes of cleases in order, trufe before returning The other and was probably different at different times) formationes of ruddoul flicing, Thatge lived rolle elitaire away, and then goes off on wicular leget a returns. O. & his municious circular Phofets are probable all hortile, but they are certainly not umall Futualist) formelines of approaches another lind particularly a relightering of solventure berwate of in more or less F. gott. elle trace of clit. The response fourtures of goes down into what is otimous, a potential rest-nite Didthis at least if or 5 tunes Sometimes and that assenters. Due to the topographe of the ground de mas a luiago in F or ren - F when outering) formationes stoned serveral amountes. Once defruitel, recaped. cell the to repeat, althouted with guid of just retings ouanoual walking about + cricular flights Courd forming in runnerous felent formes as well) This certains appears to be the unitation to pairings but how the hell does the response occur?

Leaving 11:00 a. m.

Back 1:45 p.m. Have to get in bluid by myrelf. DonoMt seem to better the back too small

Adjoint St. 164.16A It It Out of Open It St. good It It. via St.

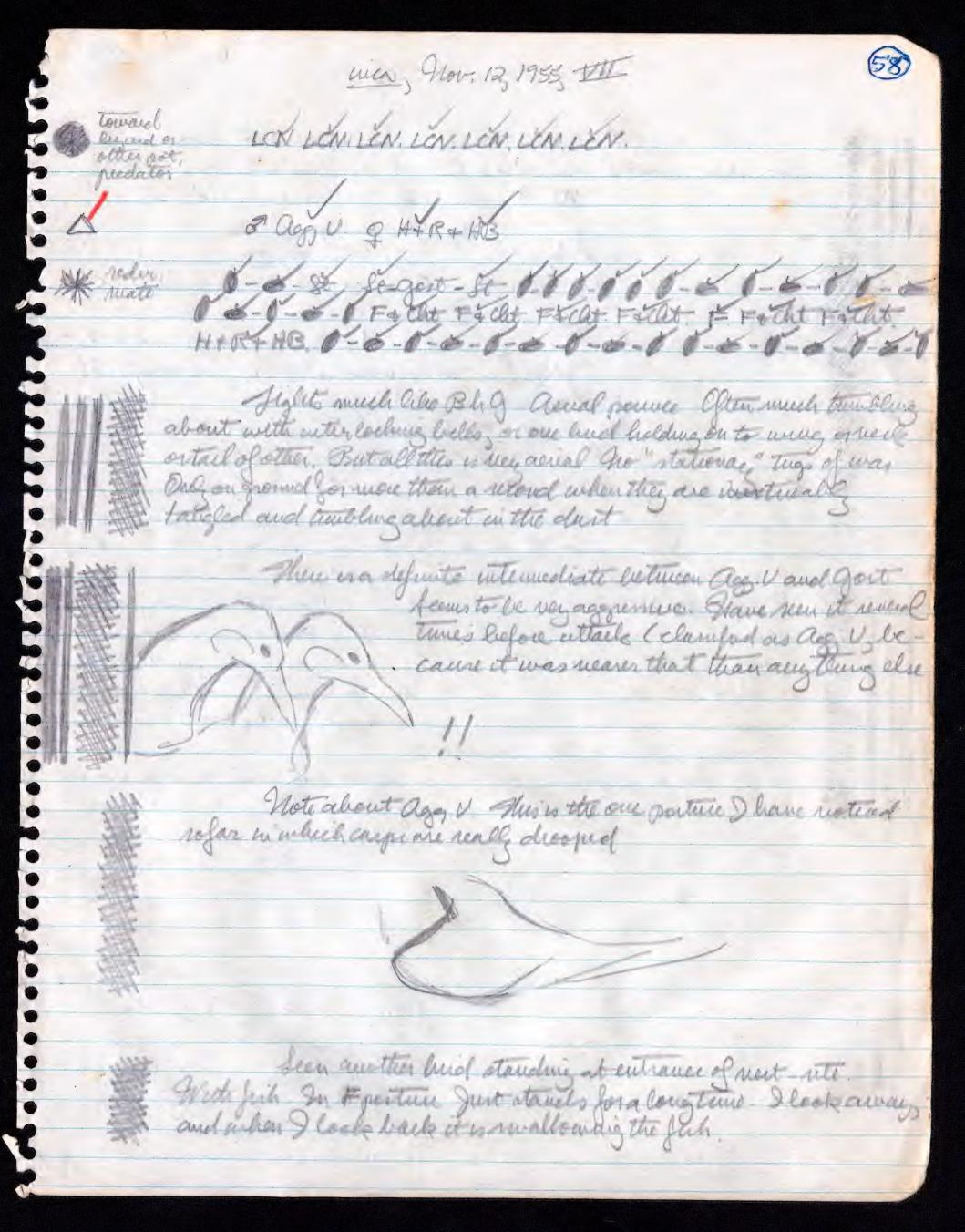
It I F + Cht It. and v - 100 It after attack Offer, and It I Fo Cht. St. ax, v

Informations Verfore attention of and It I It. It.

Informations Verfore attention of a copy of Aug. V

April of an attention of the and It I It.

April of an attention of the arter of the arter of the arter of the attention of the arter of the arte

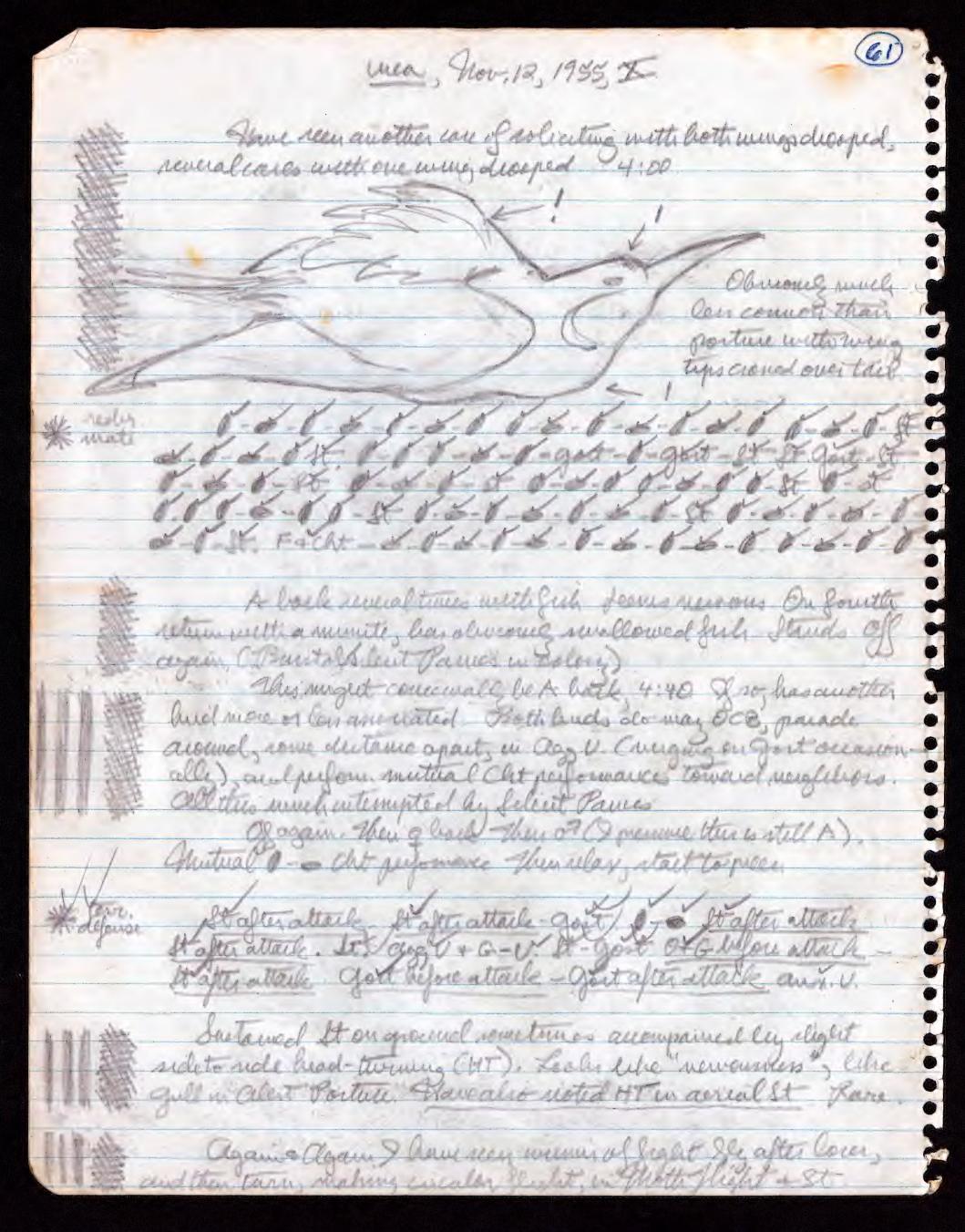


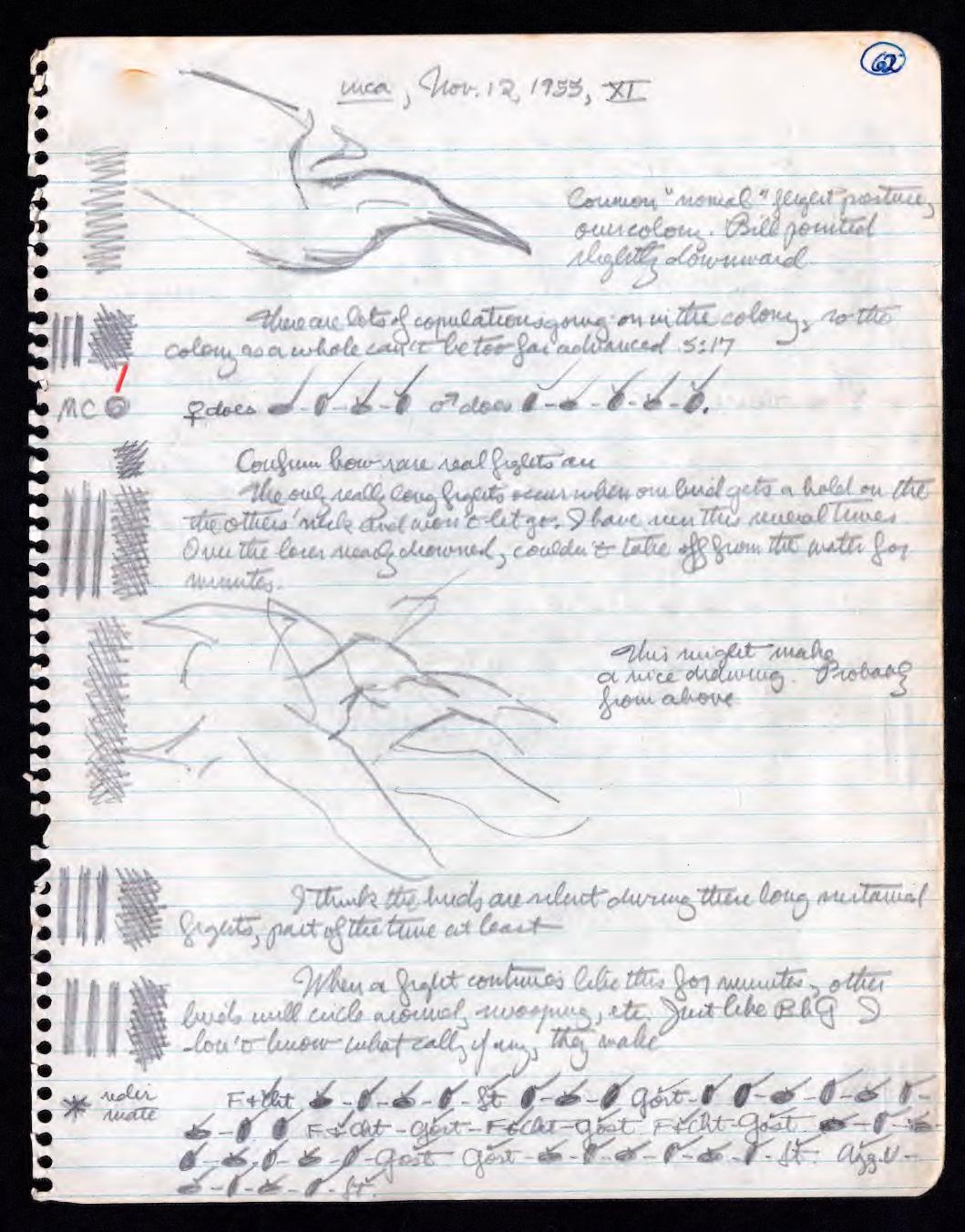
ma, Nov. 12, 1955, VIII OME OMC Va HF commony (age, by of plan Va, of) Proff Land another flan Report He placering in some way? Extreme V. Deffers from St grandies on wich corn longer ruck, an angles on July woll FO-F " " F" " does Fx Cht of may conlewall answer with a little cht still in F litt as usual stiffecult to tell - Men of " She off in aiwlan flight, in Moth" Heglet and St. of goldones, intercular flight, lang quinitical read pomber trace & Thothe (Huses greate like ful Higher) Both legels back together as lufor almost no desplay but Moth flight & "serveris with general felent Parks 3:00 Notes that and has how reiting peacefull all afternoon in spot where buil wett fich (A) was at two in morning. From this ist showing no interior in other buds There fully answers. Orchable unclusing a pair already mated One bud with fully in F Other burd 88 in 44 \$ (97). 5 bounds overfeel, or nature, allowing "to new it of out of HIR, into county sent TD Men interruption as "of "goes to threaten neight or with I - Then both buds of pair gla off Flihearrying bud gut mothered very of the to more than 3 rights would be a built

wa nov 12, 1955, IX



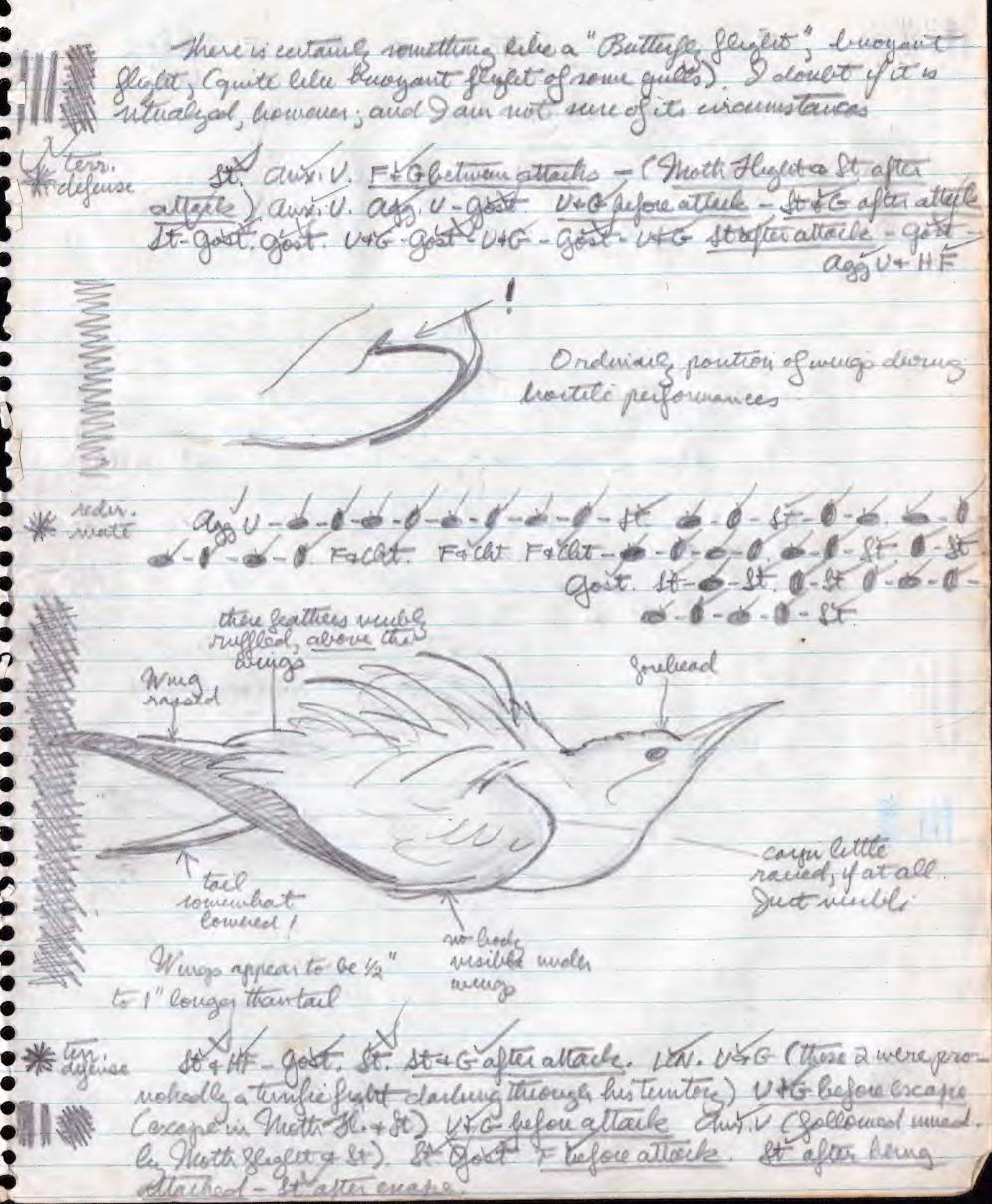
longit rapid "atukatule" formelinis ywe this as they soul at "Tub tub tule tolk tule" as well as anything Oxfore I forget, I am not nure that during their full episodes, the level carrying full in FO or F doem't willed "ocals ruite like HIS Q. Can't really tell who's down what * Separa age v before attack - St after attack. and v. It god age v struck strates - god by after attack. It god age v and v strates ruffled and go in a out they them call feulting an remember adies is not well 3:40 Tolly of - 6-6 Fire where attack on the vice is a configuration of the starte. Sent-F, with elight trees of R. Thou up, Degins gosts. Offices in the water trung to multial Fix " that I have new year. I I would that I can provide learst of LCN from neighbors if I make a rudden moise of their we a rudden movement in the blind. This is contogrous. If one buddence it, others are bound to perfermences, Ce & St.), recents be almost absoluted, now contagions. Outening quite a while, but then both relax and I love their from

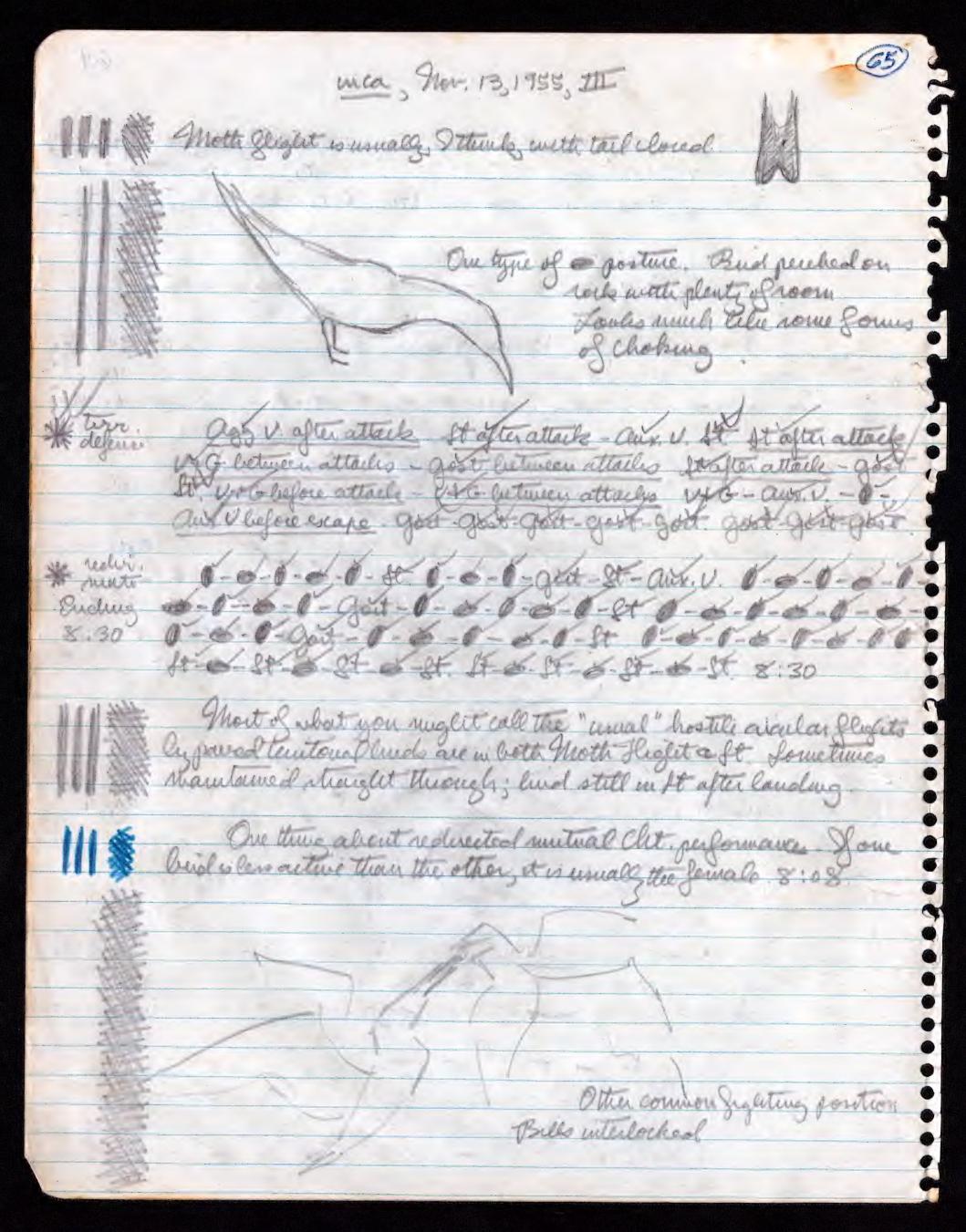


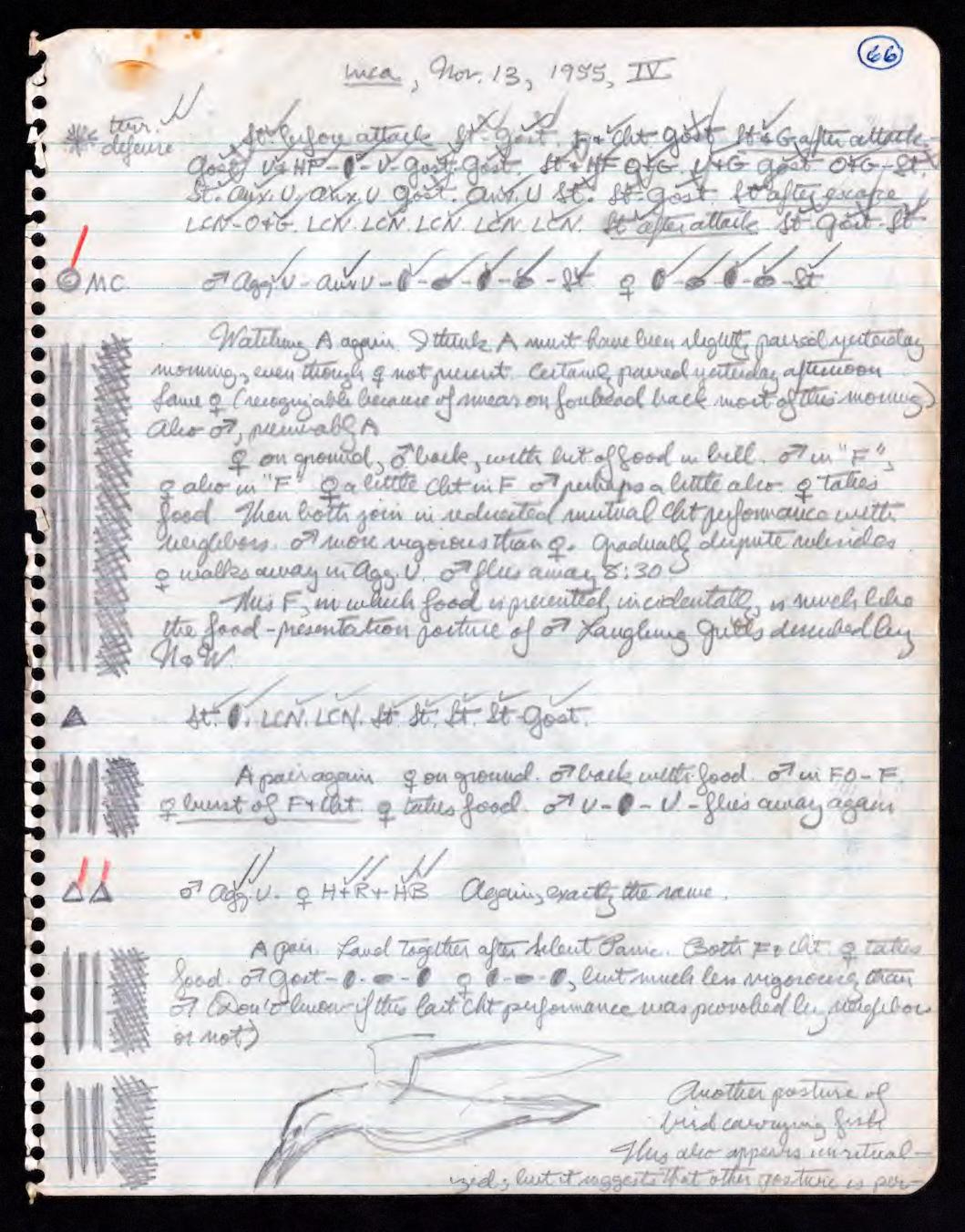


inca, Nov 12, 1955, 84. St-got-st. st. St. St. get-vic stafferattach st. 12 agus Ourives got-o-o-ex-get st. get. 11 och During territorial deferm almost always a trace of degrees, a Least a momentary weak St. after attack Also confirm One of the lest rigue of your is when two buds faunde around if V Both usually in ago V. With repeated HF & Stages It get It. It after allack and yr good ago v. good offer allack. It good before allack. It after allack. teve. le leder. 5-8-5-0° I think that reval stacks Oflyway up to outself another level surremed, are sometimes accompanied by "cettaile eca" lile that I can't be sure a buff marling "a -adar" of "tu-accer" Leaving 6:25. Howenly 43, 1985 Churcha fue arme bluel 7:10 House to get in by suyself notice outting about Silent Paries four buch in it, Cparticularly that, there that start the panie, Symian Enater Hight of petarulas deconward to the plury Growthe top of the lift to rea level , concluses), Twiting or tuting, etc)

wice, Nov. 13, 1955 IF,







inca, nov. 13, 1955, V. Raps a low-internet le (i.e the porture : III twice Fighting buck with bills open, but obefruitely relaint from it OMO apparent Mr. Gampe early pairing or ou ground, glands or dogs Q-golt - 0 - d - golt - walks around in ago V - golt - ago V -walks to next liole, duappears with it of does almost nothing but outricle stands, does about five got from true to time Low internets Stor Gaster attails - gent - act v Stor G during excape - Stor Gaster attails of Gaster attails of Gaster actions of the story of a fluid attails of Gaster actions of the story of actions attails -* Lesine Once in vor Ox G bell slightly open, raw-tongue write These o contained not usual the Cooks "longer-necked" romehow Is it that the neck is Themer ?? Con nather, digging in this case

wica hov. 13, 1955, IL Both aggive HF 9:30 6 MC On Vafterattaile st, trafter attack one ich st. got st. ich-LCH. LEN-LEN-VEN UN-OXG-LEN-LEN LEN LEN LEN LEN O+G. O+G. LCN before attells. Grid in noct site Combig suaring approachedly a o more orless countantly en aux V. That site lund olong alternates agg U's & gorts Juall allache & Staffer attack Helunes to sile I luis away, starts to return again in aux. V Thus is certainly part of garring I comaduant lectam that same & after during to approved opproach another truitors in any V, then flew away agein Do this against gait of pair-Sormation Three new constant bud wheel appeared to be "rearching". again mall, may well have been of Just Mandang lietures tentones, in aux V , leading newous. They flus to another place, approaches nest rete, unserqued, stands looken at it a long time, in longreclied some - F or remi-1. Then flus away, to a third place, poleuteal ment - Sete. again in any Vanervousium. Pair react by rentiral redirected that performance "Seaucher" Juaca flies Ewas To a South place. Lovet from right The meident certainly looked significant the Searches was not looking for place to ereit o preen. Heade out one " newers precure movement when at it rapit "recovered 40:00 @ M.C 3 aggv-0-2-8-8+ 0 0-2-8-8-8+ again & again have new Moth Hight & lt after attack define allagle. I - St. or confurence all value enapy ower. any v before except any v give v dury, good good good good good of and city got and v. Cent

inca, nov. 13, 1955, VII head quite round, gougnant slightly Thotese of stauding accide of histoling feels in Fo shown above to just note our limit of that in some F, sent a Floff circular light, back flavor in FO quetter small bullet of the in send - F , rem - of off, evenlar flight At way to the same of hack now, 10:25, but for he has envallend fut, alighted some feet nevay, glucy up after on attempt to reach female - merlibon threatened in his way. and legun to pieces) Both Out in F - S - go atto vert rite to Oct bacie in remi-G AIR F, leur - or poelere Orto Orfore attack - St afterattack - got LEN-Orto OFG. Standal fort weth burst of LCN's. Then lots of mutual redires smuch less extreme than that of the Little Gull 11:00 again ree that "prescritation of ful "gosture is an F Howe remainsther "rearelyes". Muchan before Surfebird,

(70) mas nov. 13, 1955, VIII got afterestable ICK ICK ICK ICK ICK ICK ICK-ICK Ext-lett 10x -046 agg-u lufer altails. - Leaffur altails.
Out out by ou attails - O46 of an attails - O46 gost flace cope

Lex-Lex-lex-ext-oyd- vx - 4x ans. v. O46 - gost affar affar

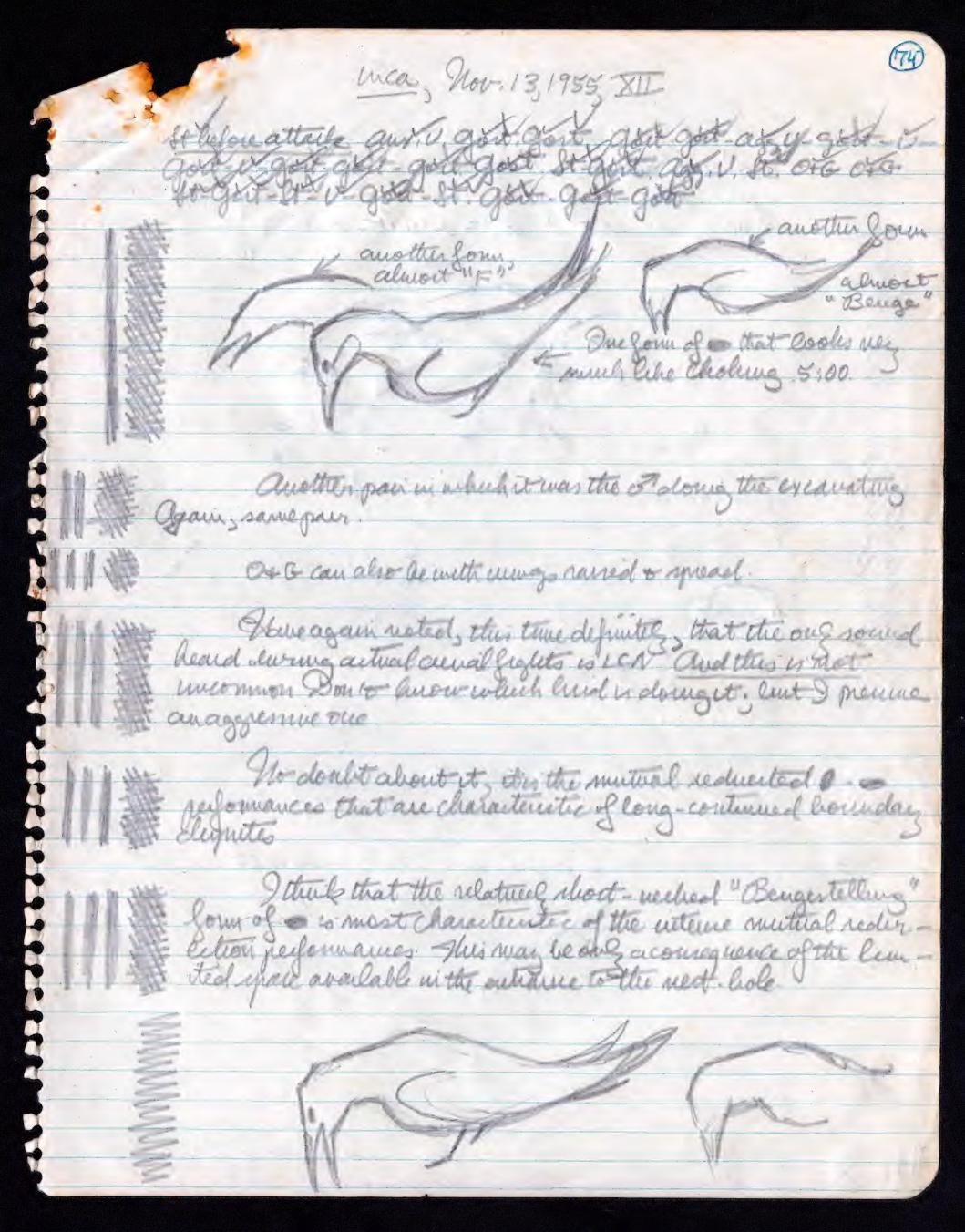
attails god got god god god god agg. agg. after allais. It god, On LCN call & Slying beid, Slying away refter being attailed The oul time I have seen ever remetil, approaching a long-scularied temboral duput are long trouts in which a pours stand radely ride, performing mutual acuts of reduceted Clit & One copulation in which of general down at q's head and out of any of the same got of the got got got got allows of the allo after being attached in our our bud cricles, low in porture with LCN's Then lands Otto possible Concure Ca that the pendia poitere is gent a landingrature Staffer escape, It got & got fort for got stafe stafe stages * difeire Once HB wett- will opening closing and absolution sound and .. Leaving 17:10 g.m. Back 2:35, Have to got in Olwid myself Hop 3:00/

wica, Nov. 13, 1955, TX. and after attaile good good Vafter attails. and Sufan attails.

And you sylatty made apply offer after the Forth FIE-Forth after the Joseph Good St. Film-angle before attacks 1 - Maria again 4:10 or dog v- HF- V- ock - war & semi-v Motice that gloves Resseon as Americate of stands in some OF, semi-H, with Quil your to got west wite. Follet wite hole. Walks away in F. Walks toward a g, a few feet away o m H +R, is HB. of stops of stops of clessaway of off in letter ancular fleglet alisolatel montualed Back to some next site Looks in it in F. Hees off, to attack a neighbor Back inued intitiont arewas gold. They wasts two other nearly potential west site In F each trues almost in bole. For the in one of these holes also. Then backs out; stands in Forto approaches a of adjunct pair "o" in O gould be mate do mutual reducted that gerformance at "o"." He fleet off week to be 3rd got cutal next hely Faclet water hole Stands in FOTTO Then fler of to attack another term who was nearles frist held. Father Sher off of goes into gruthele Cht in F another livel ("0" 1) approaches of turns toward her she in aux v o , les off "o" a lands does It aux V- Staux V. Ploolisather in Fo. Then another luid, "9"3 or "9" I again lands in our U. Slauts to approach of the flies of Their things begin to happen a little more rapidle become of Viculto follow of starts flying backs forth between his first & 3rd nect holes. "9" 2 fluis of But, as offices back a faith, stauding in For FO in Between trues, there are at least a nuller buds in the general reight orboad, who seem to be faring or and eye ing him, and who are standar or walking in any is It with oceas, gost Thes continues along time of Juially For Chit in his first next hole Then cettacks one of lus "admiries who has been standing in St goes back to third hole Slands in FO (Fish half-digoted down) F + clit in there like - Walks account Facht in 3rd liste Stands in FO. Virted by "admirer"; who stands in low enternt and it of faces his In F & St Clitter probably attempt at 1) - Their fluir of to attack 2 consentine nituders at Puit like goes to hole Is dit Hiradur er starts to Jellow him on lost auther advinces shows up also

starts to approach of ou foot, in weak aux. V. of attailes latter, who flees off. Thank to fruit hole, F + let; then approaches neighboring a who is tolicate from her mate of ut The response of back to first hold Facht in hole then alternates between gust and record boles. Facht in both Meanwhile, the admirer he had not attailed has any back to 3rd lide, walks around looks in lide from time to time in forton gardion > Jually flees of five more ordinaries show up at couridouble valourals (There might all both name bud for all I contall) One in aux is our in St-aux-U. East time of sits and looks at their . Fewall rushes toward their adversers Shaffat ouce of harleto 3rd hole Stands & FD. Joes wito hole one oftwee Drue attacks a ready buil Back to 3rd Cole. approaches neighbors. On F. Back to 3rd belo. Walks to 1st hole Back to 3rd hole (Elrually in F while wallows) Stands in FO, In O levelly during really scuffle webself probably alams been Fo that toward a ready tried (Grist thue be have it as ease it as hole) Brusto 3rd avle Stand in Fo. Wells to fuit has fees recarly level and males to let hole, to the into it Out approaches a nearly buil. In FD Is attached Retreats a few feet. Does Fig Clit Toward attacher Stands. Then approaches a weath bird who is in HAR (This may be the find that attached being) father stops HAR A stops. or goesto first hole. Fillt into it. His neighboroloes ling HAR, then goes to be own hole of walk to record hale Locks into it Then his heart's olever annes. Lands higher brends him Brust of Q le both brid. Hewcomer "Q" takes Such enwediately beaps it in bill another breest survival Cht . Then of malles around in cesual mated ag V & ocres HF and oceas sport. Then argum, things become complic sted. Much Syms around. Ofer Select Pames in colory aughou, our of flees off in circular thath Highet with It Several trues, Q, still with Julian bill, flees off in usual unritualed " feel - congrue circular Reget " Earliture levels come back number. a vant of "greatings". Thee we stuplay at all feveral times mutual & Courte low angle), more vigorous ou part for the starts preming in quest cutewals. O still with fish in till twice approaches bein in to with R. Q wall wallow ful Brids itend faring each other. Then, after both hadre glown off in a Selent Paris & returned, a approaches of the mi HAR. Continues a minute. of looks at her Sudden attache her Both buds do ago V (movertien ou part of of) = 0 - 0 - Then eventhe quites down It is all over for the morne

inca, Hov. 13, 1955, XL, The begin 3:00, ended 3:50 111 add a few notes about this incident. This was certainly at least a westing energy terge of parring. Certainly show how returned pour formation con occur The "adversers" were ver remuiscent, in their general "herourses of the "reaseless I waterted this morning When I look back at the green Coll them By, aller weene & placed I do notte however, that they perform a mutual redirected ! - - - wiremore ourning duplite arthurightors. Quother fire microlent, which I drobe to cotthe well - Out a Jew points are clear of stood in Fourth freih & HB in Hwith R. Folivious, reluctant, turn away The of Back, I was alt in F o lique Hs in H worth Ragaria again again of land away Frank of Back of HBuit with Ragam, of Small regolish then both retire actival rocks, but I can see that mutual a performance is proceeding, fater on of brugo another freb This true Ris reluctout and Pollow tevell and obvious bands one Perli mutual 6-0 (after a municipus fish) after handen over of fish there is always much wallow ung OCB, and head talung in Vor sense.0. Tommy - about diplays between 5 & 2 during care pairing phase - it is V and related gatherns CHT and possible lt) during seconds of whating low interest, and that performances at moment of "curso" Still dud all - this years has nothing life the compreners, rapid a named regiones of garries duplays durined to raine ingrell 4:30 although I haven theen able to make elevent counts, it is my impression that an attacked find is unabjection in no dis all at all of in something belie week aux V 818+ At after herry attacks 1- good star Grater gettick LEN-LEN Stafferescape Freht OF FARILT.



man, Stor. 13, 1955 8114 CANAL CONTROL OF THE Extreme Ob perhaps & have REPUBLI Other from their dienning Morionta the earnery Mad to short top of head new Statlow Sen Texten that minde of mouth is not bugget colours, at lead Cucular quette gliglit chave Betti linds wift. Que forme of St Now with set There is no doubt that this years displays relatively Toward Lying burds. Butter surprising

Les and the let of the starte attack out to the starte of Mica, 9100-13, 1955, XIV Incidential before I forget, I should compliance that offereluc, call or revisions in this years Heaving 6:22 mouday, Hovewher 14, 1955 Churchia hers 7:13. Have gove book to much " when, the one winderly the lucks don't new to four occupied tenters get, in order to nee of I confind anything like a "full flufet" Williams communical and exclus Parue, they still have tendere to much potential arestrongarea (classificated theel theological earliers). They out stay afour records, Courty ofcourse, my blust a now here about to day) St. got St. god St. go 1130of soliciting on rocks, Cities must be command area, pure web. low consultry "taly" a rest of guerryto, copulates. Post cop. poties that here, when there is plente of "head-room", that = a that is common compositioned, when two hinds of pair one performing and reder . Out having dequite with menglihous Char does not mean that and are not also comes in a real it

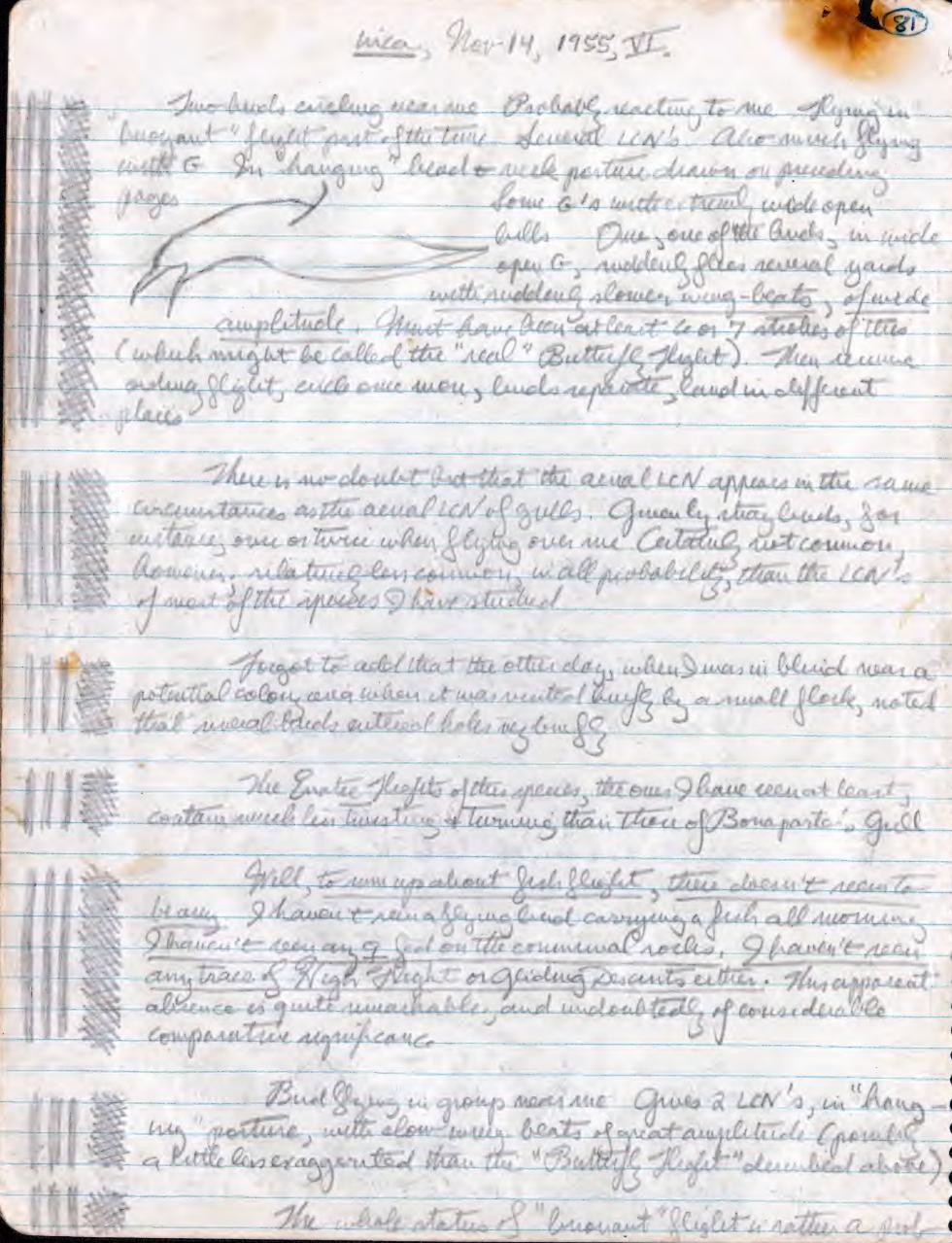
Unca, Nov. 14, 1955 II. gesture, although bell not posited neighbough upward. Mes may be regulficant. An alternation of and Stop on August be strictly homologous. But here the difficulty is the Mything und so-called "Augh intount "Mything of the call." be entire way in Los la just like Luc of muitacho during straight streak u destance acrial St. fund good about Saving evant diaming of "C" the curve o shape the upper mandelle an legettre Ordervan 8:00 LON can be given from Gleglet pertuo St. St. O. Ficat St. Should mention, before I forget, that the day Dearne have in the Attendon, there weren't even any briefs on the communal and recas This wegats that they only come to the communal area in the monung at the stage almost representable G. Goo min Ol to be seen except at vegelers range 11 11 11 11 11 11 1 5200 and the right angle 1111 V-rug willian ociated portions: - their name mutual the judymous than rules where and what every would garring thingh or I stage on the har do

nica, nov. 14, 1955, III. Position of head a angle of constitute in F. Is the yellow watthe at gape swollen oliverne hostility . It is certains, much more compreners their than when the lind is sitting relayed in a rich - mon-or-less - retracted posture (Con also confrom the fact that earnings one excited during hostilety at least the were aggressive form, wichedus & and . Just watchesta buch standing in quite about parture, neck mod long, with "carring" flat to ride of head a neck) 8:35 Watching there had harginer me the impression that Fallit is a relative Cow-interest, reformance. Sometimes given we link any hard when its worte land bendert - without other chit pattern is without I and a alwaymen bruge, by both lands, as brug run trade also befor I forget the Facht quenty of a precitive July to "g" as apparently alwart mandeble. Ot least I have never heard it - and I been been gretty clou to much or"s. On the other hand, however, the Freht done to water, and that done by rolita, lives during duputes with nitudes, is cutainly anothle Cost litet, in the cases I have been near enough to hear] St. Stic fu- vic-v-vig-v stage stage of Swyling retreat 1972 gove- St. Governor- St. governor- governor- governor- to sent un war Emplany our pount, I have seen my sew (probably us) reduction attacks on resignous performed and until of healelety between water Reduction wallthe other way round. exaggerated. Curved body a almost neverthey or always present during acred et

79 men Hov. 14, 1955, IV. to a Kanoling Coll I have seen 9:00 In all the Gard Chit performances, the bill is not noticed gopen behind Some of these buch are moulting every feathers K comm Have noticed quite a number of levels flying off in It Creat Thoth Right during Libert (Zones) Son this morn that arreal It with moth Higher contains a stronger attack clement than and t water to the Heart on ft water to I lent Pauce. The must be the marest thing to on all But not apparent, quently livels just flying one her best of the most of the most of the properties of the second of Wings are usually more spread than sawood during LEN Gothe that bread is - noit of effect Jany florible in the Le Complexafrattern Often tuned to face exportent. granthe bell wreally everley open, as in lew's and some Go, it is open all the way to the end of the wattle - V. VAG - GOT OFG-LON-LON-046-VIG-V OFG USG. Fallet Filet - - - - - V Gott before afterle - State attenty - V-V-V FYOR F F+ Tht- good It- good

(80 inca, Stor. 14, 1955, V. Celie the v's of gulls. "Bueyant" flight of two buds. In posture with G course ca Sotter requirement? Couldn't hear are Justier notes about "usual" M.C. Gort an not infrequently anouated with the garadragen V Stot, Ithink, when V's and their most interior. Its an relatively relation anoriated with U- paraduc (Celthough a lend well frequent, grican extreme ft; muncol cutes; after landing. But may unof hurs landing without mate with the St. This It was the as much reaction to neighbors as an their else). Feeliaps the fact that I tend to their of the "unual" the as being V complex -> Cht complex -> V complex is due to the last that no often one muite land some dulance from the other and then approaches on foot Mun one mate lands hereofethe other, S an almost ceitern that the "esmal" requires is chit complex -V complex. Oxacts lite the unal SCN of adults 10:10 Calls always the limb results to potential colony rites are annely the same as when a flock returns to the colony after a below formic.

And ageneral lund of LCN is on Consoling or after Constinony, Then much general lat yet - July attack - vec between alack - continue of a vector of the continue o H Commun Engling 11:00 got Higger get Front Front State attack





Som white introduced at best, and probably revent types 1. Penets, shown by hundrage a Trump of a watering else. Perhaps untilied, 2. Ropes brugged floor combined with Enales Diglet patterns. Particularly with lands that appear to "ret off" or "trigged flesh Princes.

3. Perhaps cluring rungle in clay mean a polarical predator 4. The Cart type, if it does really event or probably just a low-internet wers with a Baltiff, Hight in hanging particle, with a complex less.

Lianung 11:20.

Back to Large colour, where I weeked yet endage the few days before, 1:35. Howe to get in Olivid wyrelf

Con after attack retibelowattack - Of after attack retired in the service of the

ICN-LON-LON LON-ONG-gott. LON LON LON-ONG.

This LCN before attack during introspen be frofiting is the ordinary

LCN, or at least, only a burify nurifled verseon of it. It is not the

type of TCN, the "attack ICN" rometures described at mo

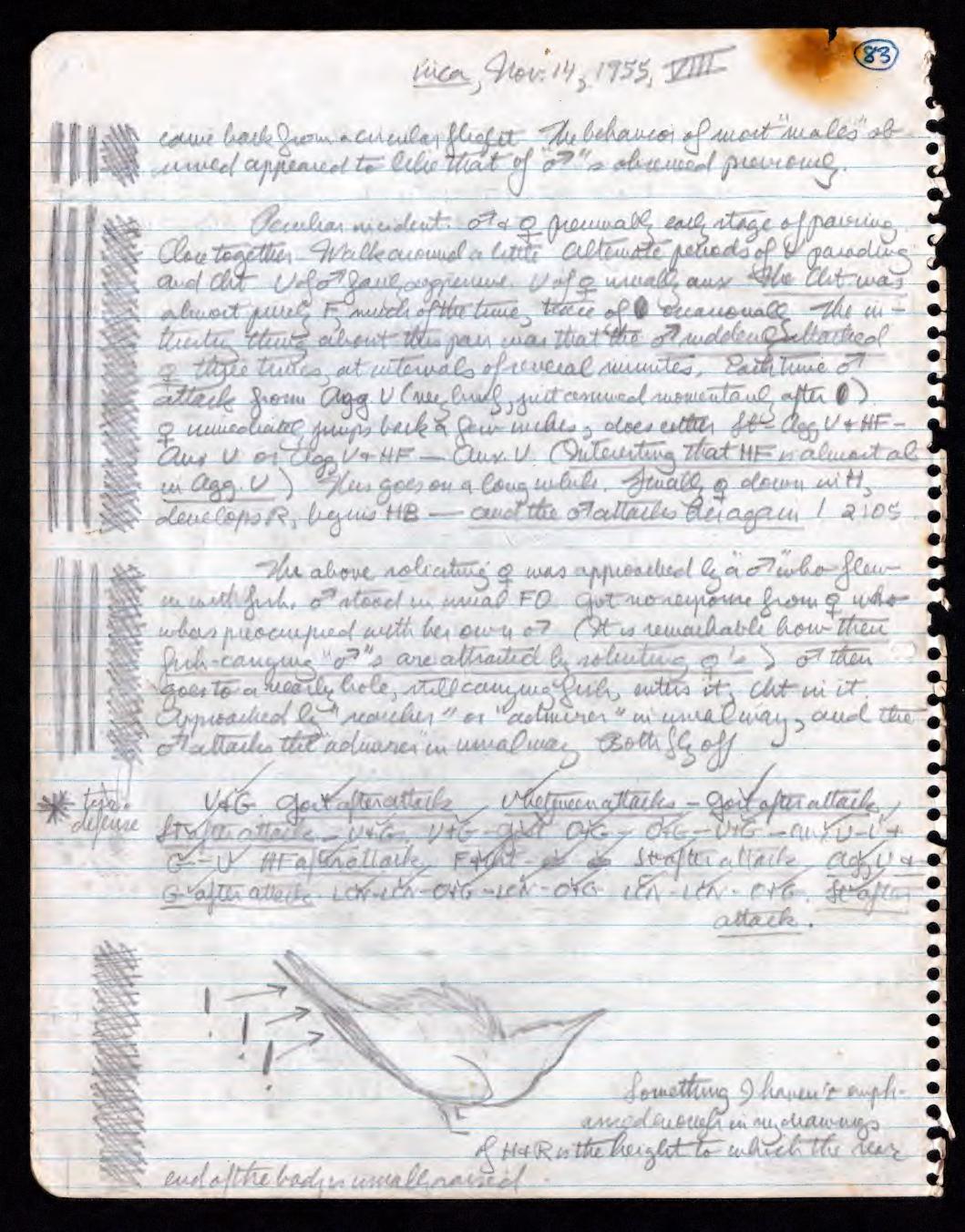
Muslatter type only occurs, apparents, during vitra, specific fighting,

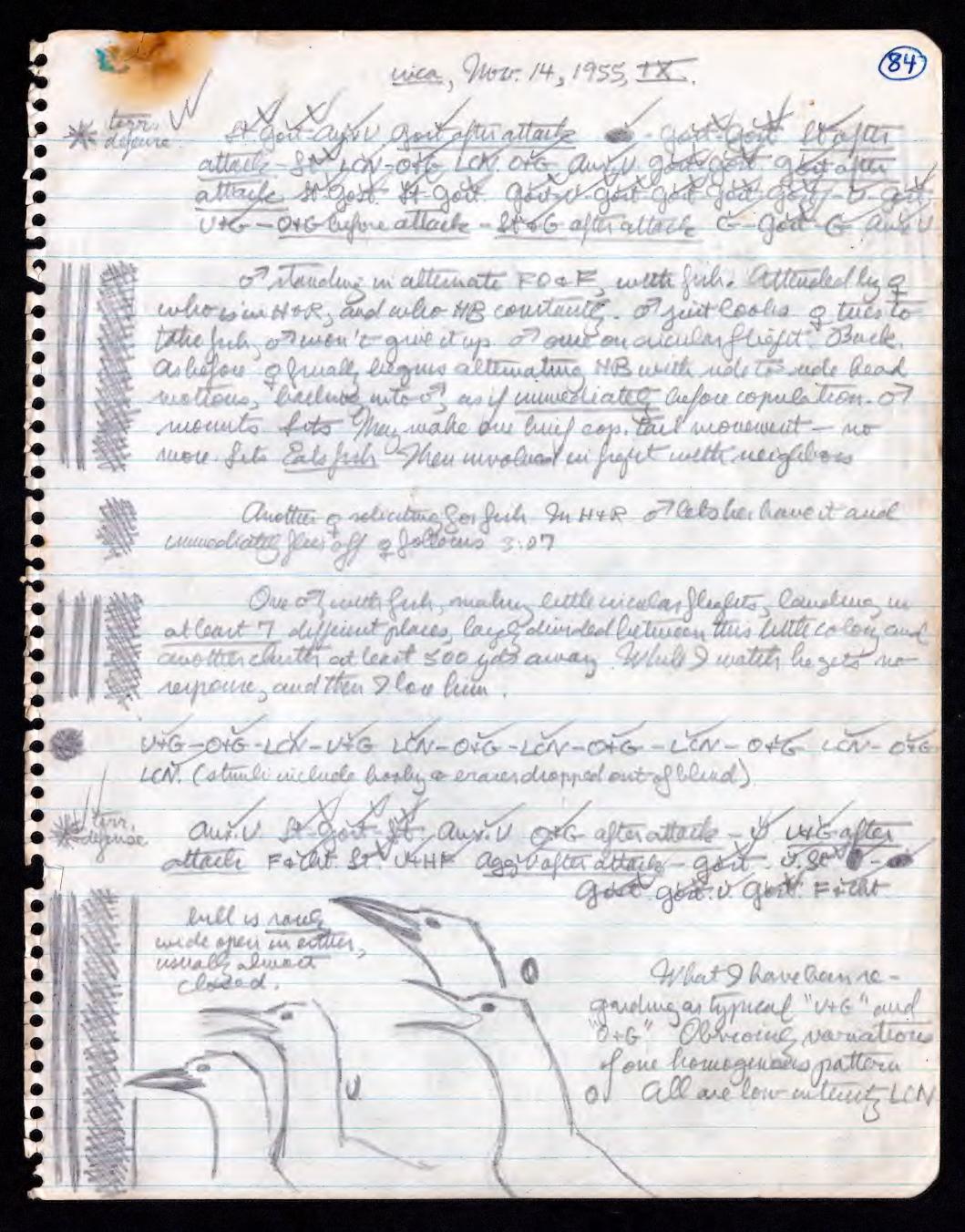
invasively before cutain secial attacles. Eventure always brief and

not ver, comprehenses

Pair trying to take over Olivel as next we site 11 Entering it The genter fuct

Have reen a number of lunds carrying fish, and also a number of red reachers" Latter our really all one, the place I but a mark as of memory with place. I but a mark as of memory with fully the file. Usually suit start to ridle up to 5%, in rather weak aux. V. Orie luid, however, repeatedly that at a "5" each time Re





mas nov. 14, 1955 X



Creek, watering reveal of swithful. Matel, at least a letter As stand in FO Level to present in F, with or without "whent Oft" & sresponse is or warried . Lowetween "begging", HIRY HS. Sentances FACht Cutter as room as of uppears, or when he begrus "relent" cht) 3:40 Filt get aux v of Gatter attack to get get. "at-outlie other completes, with "v" & G on the one hand and contrapate between "O'+ G and "F"+ opposent from below. O wpper some G, in some porture or other, is always the prelimency to attack in are and probably elsewhere 34:40 Olst wie it of four his stentiene to next hole Doe, Facht also (court hearst, but probably vocal) or out of bole, off on use what flight The whole proceeding repeated as before, exactly everyt that the live & goes back to HB in H+R. Their offen citivela. Julit Back of HB in HTR of stand in FO of off two were Eneular flights " In each case gets the name greater on the relation HB in HA R by a atfruit, then Folket les of after the Folket ento-hole (a stoud hende him, believed line, and faing into hole also) a begins HB in H+R whenever or backs out of hile I think, atters some set "wah" or " sooch " round a wakes durk,

inca, 9hov. 14, 1955, SI

HB. (Word of controus: this "ooah" transamption may make it sound like Mobil of guil's - and so it is - but each not much after attack of of enforcementale - 20 Gafter attack - Whefore notice that of displaying with of who has fully while oliving much of her lat in F, is also quete willen to I and a l'aventitionle the or does not and o) - garticulare when disputing with neighbors. Hers of and on to be the last attraction, are reducated to the rawe degree as umal One of gorture is warth like Gost Very short-neched None of the gosts or a basthe real "lump" of the Benge stelling of the Steria tems. This Gost is apparently invite affect, unofar as it is nothing more than the entention movement of peching downward, Ctres explanes why it is still exactly like the Goethe gost > () - another of gertue like Got Mus angle of head - a body & lought of neck, is extremely comon in real gost - but much rare in as preuvably because it is a "lowinternty porture"). attails - Stafterattails and age after altacle. St. aux. V. gost It got st got it got st got got got lefer alland

mea, nov. 14, 1955, XII



rather reminiscent of an e and the she welled one leve your with he got with he

ever between them is - except stat in rowe cares it appears to be a watter of rooms avoidable.

There were seen that with bill wide open It is always more reproduced of Cheron balfopen (at most) and closed of Cheron made likely) almost closed. This reprod opening to closery more much wapparents correlated with shytem of call trief. The faster the call the faster the call

Leaving 6117

Juesday, Nov. 15, 1955 Chuicha Aug

7:40 Large colone, again, but moved bluid Burb panishes

ma How 15, 1955, I. St, O+G-LCN-CON, F, angu-st, got le st; U.U. Com, U.

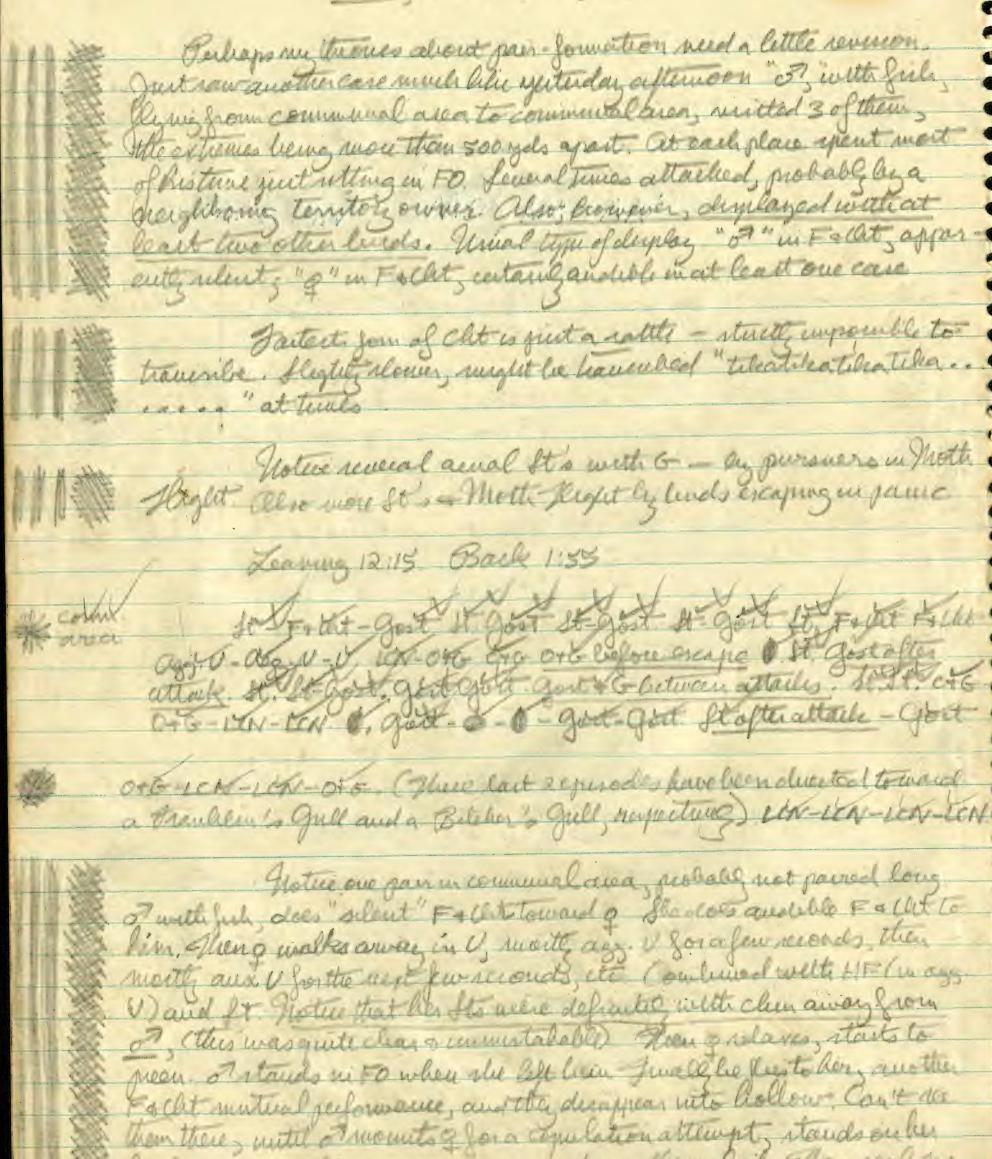
St-got-got-got o+G-aprochected

St. Fills. St. 16. -Cost-got-got. U-got. angu, 150

W. M. M. M. Lin Ch. L. St. 18 St. Got St. M. M. Got. St. Bes. 15 organit god god Frant Frant It It. st. god St. god-St. St. St. ViG. O.O. St. gost G. St. St. It vig 60 Still it Howe row reverallend land with firty in this communal aroas, Much in FO, get no response from any leady, and fly off wer, whether, Here is also quete a list of study resual behavior going on from true to true. Mestly of is roliciting getting usual otresposice, mouth agg. L. Very dull in this communal area 8 155, Color of Son Got get get got Filet and god of day Not our accomplays by and on ground toward flying lies relative Cyrare in this species, but they celes out occur when the flying bud is see close to the and on ground (Their helps to explain when It is prodeminent in my counts). The out possible execution is provided by some of the LEN sceaming on a righting after filent Howers, and I can till what is meaning at what then Emphanye again Allis yenis has an windelible multer of felent Janus - man more than an grell I have worked on and yet it is not reguly otherwise of woundering from place to place inthis communal aren Sour Sumland a three destrock yets Each time guit wood in FO-F The from done a few brief bouts of " whent to cont " toward we will en

ma, Mov. 15, 1955, IF. One of his wents was to a spot right next to excopulation pair, whom the fill-carrying of "faced throughout his resit . 7:25. Pauland Mc of mentione and Varit agg & Then face each OM.C stillen F Jolos buil Frakt. Up in ag V organ walking round colugnes HB in 448 of stands in mone or les extreme "and ", (alwest and - obvious just an int mon to le up) Does two HB encurrent from the forture. Then walks outwied in agg V again. a continues soliciture orappordus her age in. Honds reget bende her Lockers yabout to mount at as woment, and then both & off in felent Hance Because of the tenders to held out carps a trifle or rather hold them on such a way that they are untill, as an int more of flying it is course, oxighter empour ble to dutinguesh between the allest Fost, wre" and the alex. V. Then the aux V appears to be relatively lettle retualized withingielle a more about carps - range in general. It is present in all the limite a revual portures of this species to a greater orlen in whent technisment projecult correspondence in agy. V. But mener accomplications as in some wills - never a "sheld effect" come but most lelie the : Awalls () Arus, it might be better to say that the carried yours on held out a little, and lowered a little. Cree the drawing I did the cetter stay of the unial ride ween 5 There has been, on the owerage, about a pavice every 5 minutes - all mouning lone # Then WG-OIG-UIG GOIT-V. GIST/ ausung-V-agev-god-V OK-JUN-VCK, and after stails to come good to the State of the Company of the Comp

(90) nica, Hov. 15, 1955, III. Aller attack - State grade of the St. F. Soit 116 - 11 afterattack - 016-101-046 & 6-8-8-8- good, LEN, State after attack One very renous problem and just occurred to me!!! One was agreat way girts and It's that appear to be whence low intering. Just as low as you can get Their what about the V complex ? >> I thuil that relatively few of the U's look as Con witerest, as way sto and gort's. Is the because I can't recognize the lowest intent Journal V ??? Equally important, is it possible that many or everall of the O's contain a reducal element ??? sell norts of mobileus. It for metance, is often obviously related to V's. Hot infrequently incorporated into V-governing. Yet it is any U" that never to be the thought "pre-escape" gather. femilarly good is obversibly related to age U., but it is the age, V that is the itterageit ne-attack pattern ug, etc., reactions, most of their an ecitaring houter 10:17 linded. The reparticular time of it is intended for the water Itell sheadfull chill 10:45 whefou attack - Valteralloik - 446 before attack St. St. 60 -6-6-goit-6-6- Frent U46-066-LCN-LCN-LCN-U45 Organist - Co of letween cettack - Staffer allack Filled - of good often allack - It good when attack first or good of girl good auxive straps - it get get got got LEN-0+6-12N-0+6- 8-6-12N-0+6-11N-0+6-11Nbefore attaile - 59



back occanous of warms wings, and sur llow fish. Then real cap

allewant West Perpoles (May constrain Clay V (+ Shight HE) - Gost -

- V. Then wear temporary 2:40. It is noticeable that evening the communal areas a let ofathers, circlain check from unritualised gentures. No more preparation than from frankly attitude bead a ricik toward brown also that

Touchle beginning of next rite election. I lands a foot or aft from q, on rock in border area between colony or colony area of clos stoHF-OggV-walks toguage V- alher Gwalkson us agg. U. of ded a It quitas of landed, but the next of the time she just applies at the wale in a thoroughly diminterented fastiron Eventier aloun ed not excited man man, of continues malling in ago V, goes to our potential rete, looks at it (mostly in V, an occasional F ent more). the to another rate. I flees to thin, Canali about a "liche it living alsos nothing offluite 3rd rite. Here get moderal in rome general desturb auce Both o'a offsoff

Just now another relater, of with field, in color and In Fo, years to write in F. Frest in hole, out, of succicular fleglet, back, swal-lows fish, off ugain disappears 3:06

Possels preceded by rungs or mitual cht, generally in low & and F and F and F and F and F

Was is most "rounded" when whave

Sometimes, LON is given by land from up. Fremwall agreement or high interest, " Also, bruef LON - it leds good struck me - sound sewarhall like the brief LON sometimes grown by Bonaparte's or the Greybroaded Gall before flying up.

Ofter aural fight, hoth buch for away in Moth Right, with a rather petuliar souther sight situal of portice which wight geeliaps be cleating well a Crument judge & Dit possible that their sortice is always present in Moth Light of Stront ???

vica, 900. 15, 1755 VI. Not too while acreal frite-carry ing porture. Probably et, Other levels were more aggressive than profetting tooth a wail - and notice the G) The sample ride of www is silver, but doubler wear tips of prevances Have been watering paining. Much as arfore, But after miner gouts to add Have oding Tuying to get fish, HB in prifect F. Have very freely-congrues of flying from sport to spot on rolles in communical great deplaying with gat on place (unal Folks burners), then of lew to next tete is seen to a new other spots in communication and rat in FO, then of flue to ever rate where q was much displayed withher there Fathe both flew to communal rocks to till carrying field and stuplayed again. How also seen of in place to without a Trace of chiples, withit and franks of attempts to take fish, Care 2 allemated her attempts with bout of F+Cat That at all run of " unual" or witation of It. Stuped of we to have runed it Thut while ateling of with fish in F and FO repeated tiglo approach a & the was on HAR and HB steadily But early thing the or came client, who attached tries (there were obvious not allempts to stage file). This happened of times !! Hereall, the of his came out of his MYR, and stopped HB, morne stang ofth attaile. June, however, we ded wedent Fallit, loud thing, went backeto HARAHB are greedly then all swept away in felent fame 4:20 * Course Statuature Of vafterattril- got scatterallars . It got It U+ Gofte escape le goffice attack - Vaplacattack - U before allace - It after allace - Opit - It before attack Tilet between attente & gest o before attack. Fill Filet LON-016-LEN-016 LEN-016 LEN-016-LEN-016-LEN-016 LON-YEN-OFG-LEN LEW-LEN, CAG-VAG-VAG- LENGELSONE attack collegeneattack out beforeattack LEN beforeattack -

Council evaggerate the longth of the neels. Junedilly long of the the I huds look alient orientation of et - this is obviously extremely variable. May lends landing, in communal area unally do to on alighting, with contant reonentation. Most ofthere an stiglet, but an appropriable numberous of the relating short-reclude very " 5-bent-reck " type There Its that appear to be "relent" (s, che oncutated much lebe (telf, e.e. unally re-orientated to face portrer, e.e. reveal chin & yellow under back etc. During rome V- garachus of mater rome buds with extreme gelong ate neiles, will give Its with back of head toward partner e.e. Luding most of Jose There linds appear to be rome what "alamed", in aure before It, but this interpretation, of course, depends upon exactly what type of our I they were in and the rultiquetation of that. Their States to be bette long a straight welled value In the case of one lt Crelatively long + storicht) before attails the aggrence heid was facing away from the oppositety 1.0. hidren's free attacks 5:00 neiled S-bent type they are contained orientated like the ofthe ofthe on landing Thand of make regular, but muffled, the sound while done Eacht with fich III of with file fluits ag who is HB in HAR from another of air The new arrival also statuels in F, walles continued to a, back, forward lite a stops begging as fruit officely Second of itands in 100 a summent, then flusoff too another example of the attraction power of a solicitum of 11 There is a tendence for o's in Fo with frit, when handring

the plums as and their bush shuffle wings) This is no frequent

Luca, nov. 15, 1955, VIII

Hill that it my well be significant 5:15 Have noted reveral of 's weth fresh, while more or less despleying touth one q, to be approved by "admirers". There latter may even your faras Fix clot with line, but this is a far as the "flustation" gets.

Thateof pours, incodentally, resenting an intrinsici, well also often Fillet at a of in FOTO carrying fuch Ithough that dee "weak" or "relaved" It touch, fre-orien-Much "newous" preeming after & type Mc and in the inter gost get age, v-gost-st-gost age, cog, ++tht-Drown V- paraduis in general, there is a shour touding to precen back of herd to partier Buds often stand in agg, i Jacus oriver from Must note that this H pattern of wica is more retualized there that fother lands for reveral reasons, y not only is there are anony head the and 3) the "F-lebe" protending "boson? The out time I have rangeretting leve Hof gulls is momentary during the animption of the extreme H of 5:45 another case of a who bas been setting beside a of in Fo Leaving 5:55

Wednesday, Movember 14, 1955, Christia Pur Backto blivel, same place as yesterday, 7105 a. m. how to get in by myself. atters - gost st got vice before atters - Stafferaunch. got st. It. got got st. It. got got st. It. got got st. It. Should emphase that the F" of Falket in puris hostile evicum->, to a real reviewe Flike the Blig. - 7. The F of F4-Cht in remi-served circumstances, Ce g. Sub-carrying), ly contract; is almost always an extreme real F Hoterich carlier, on top of eleft, gain " C- garaduig", etc., etc., on roof of and unide, abandoned about Could follow this live total Right This is relatively race; but it probably actually occurs not infequen St. gost . St. St. St. St. gost 0+6 H, St. IF-gost-St-8+46-5F Silent Paris in the colony On Valle every gust during every August before every - Cont of the Start of the attack of the Control of the Co FAULT-0-FAULT-0-FAULT. ilveif and relating infrequent Holice one "pair" in which the of was easy and the Beatons Frant at a almost counteretty, successoral buil, she let

luca, nov. 16, 1955, II. The qui content U-paraching in more or law cricular form, wheat to to 1 It from the of aux. V-ag. V-HF - agg. V (+ rlight bend or till) - aux V & a bush little "ercaps fleglet " (no more than 4") - St-goot-V-ete et. officellatterlied of Cattock from Forlit), she flow off a few fact, and everything bar now died down temporarily, 8:30. Thus aux V - was buef " creage glight" - St - gort - Vaus men appearate be very common during &-parading Have noticed again a again how ununtabably profeseion huds during V-goingling It with back of acod toward partner Mes hidespart of the threat Janal pattern", but much less efficient ly than mile patterns as aux. Vlaine away from partner or HF Does this suggest that It with mape toward partner is a principation of the black cap. And is black relatively interiordating in this year ies? If so, inchave nicetase. a "profetenced" lind, while expresence it counderable along, is simultaneously presenting enough in the way of intimidating stemule to prevent attack. fully en the cycle, when the land is no longer so frightened, it can efford lat Cart ournound to It with clin Toward partner. The latter perform cever might be appearement. * area. 1-0-0-got of got after altack gott after attack ICN It got Filet - Stafter altack It got attacle-got ofter divite - let Got vafte attacle vot letone attacle of the attacle of the divite of the state attails - It after allaces aux v-LON-LON-LON-LON-LON LON LON Upore attende - His after attack . - got got got got got got got V +G between attacks St&G after exopic good agg V + G annued from ag, V. Thuall appoint be unti mous of Cornetion de somethine I said a few days orgo. I bave son cellarles apparente, reducted on verglifions and strangers apparently is result of hostilet, between mater of wring V-parading, often

preceded by any U. F. C. But relatively rare and slowers or almost always difficult to dertinguish This is bleaver these attacks one or ushall, seem in certain arciustances. The "scapegoat" is unally atter as now berd who has landed nearly, or a neighbor who is displaying. I. E. those are not pure "surpegouts", they have yourn can se for Effeure 28 there redirection citaeles are always or usually not pure reduction 9:10 K Like acquire aux v. lufen enope staffer attech gottafter being att acheel LCN. LEN. Over before attack LCN lupre attack tell before ending cettache- Lew after attache LEN-LEN-LEN LEN-LEN-Gorde C--LIN-9:30. got glo-Let - LEN - OF got et got to got to still store after alleile Volt before attack. It - yet got after altack - got after allack again notice how the greenles or unatures touch to be relatively resis agreenic than actule on the communal area rocks Nave heard one almost - adult quie completel, adult ICN patien There almost adults 5 and there can't have been ruche than 2 er 3 of then are the ook rematures included in it courts. They all least roll bull, yellow wattles, and white mustattles Both received to be aggresselve, both trying to attack munitarious as It is after tower true Catterles. Emphasis. Dugue almost never alrows in any often Grantures, with open or diglift open. and the bulls are very raile winder open. June there is almost allings Formered, browners laint of the trickennest ocert. Brolly stuffed. It's the conficuence product account ocert. Brolly stuffed. It's the conficuention of the december of the smaller throat

U. Parade including a hunt of LCN's Right

(99) vica, 900.16, 1955, IE IK comm (10140) OFG-LCK-LCN-LCN-LCN-LCN-LCN-LTG. UTG. UTG OHE LON-LON-LON-OHE JEN-LON LEN-LON-VHG LOW-LON Vito VX6 before attack - Stapmattack god between attach - gott after attack - vit 0- 0- good whit 0-00 Olafon attack -Better view (of porture of ten may week & mair Candpointly also und in full-carrying) Their man well vetetally unnetualized this it is per-I hope elightly new arreal O. It is ly no inscent of an means rate, hur ley no means connon. The out really common o reliate oil movements a portue in air, in fact are the Moth Mafit and St. Can confirm this again, as I have been looking yerial for others It is possible that nowething like a "hangus" pertuce ; with LENOIG, routines occurs overcolocy, but it is certainly rare and untualized. and I have seen nothing best to be like a " Buttife Must supliance how frequents one or both hurly of away in exture It a Wroth Higher after acreal fight. The fact that well do no so frequently suggests that Whath Beglit oft is far from "almost - just eclape - munt contain an appreciable attack element Ithink that there is a definite teredone, who were Histor Higher week It is prolonged for the wing weaks to become of mally a rually simplified a while losses now of their spead, and the Heath Hight todevelopente and Musappearance might be deceptive, however asther glede night just be normal part of turning after having flowing down the alone on which the colon is located Ve Zoru LON-UNG-OFG-UNG. 88. VIE Seloce attack good Gofter attack - got They has been an ormest adult herd near un blend, to the red bills feet, yellow wattle, a white plumes - but brown plumage), in the communal area. For at least to munite it appeared to be de-Jenstry atenton - a large flat rock Chand all the livels that

Condestant rock Dilitai with a lot of LEN's wan before attack.

Definition also The signs of clippings toward flows tureds. Had

an "admirer", in complete governot plumace, wealty — who kept

lying to different rocks around from standing in aux, i murch of

the time, and made reveral negling and tentaline alleupts to

approach the aggreenine almost adult Never darest theory.

Menthe aggreenine bushaslares, this to adjacent area, preens,

fire away, 11:30.

I can't help but feel that this art of thing might be the first

approach to the first pairing.

(Presidentally, I doch't inclide the LEN's, or any of the behavior

of this aggreenic almost adult in any courts).

It gost o-gest doit st gost gost st during retreat

Laving 11:50.

E COURSE

Have taken every opportunity, the last 3 days or so, to discoverthe states of the as an acrist take I (mon that my note, of the fruit few-days refer to it as an acrist (all), lever I had the greated doubt this due on conclusions are as follows

At wheally remi-curial or provide-acutal. form times operan, in quite typical form, by lives flying up (even deveno, federat farmes) and landens mean officer. Still rare inthine recumilances. Even sover, I think, as a polition by roubly flying briefs - but I have beard a prefertly hypical chit call grother by here circling mean me (perhaps distuitivelly me)

Much commoner is the "nucttional" clet green to been blying up moreoup divine, below that there, I am of the more faller than been fitted another of the second record and and line with a particularly loud a replaced replaced and line with a particularly loud a replaced replaced and line out to the fall of any labeles; and some of there are remetimes regardly remainables of ORC of gulls, sometimes, organizations? early sent our sharp note.

1:13 pm. Have just taken a small walk to the weath

mica, nov. 16, 1955, IL I along, and the communal dreas mearly. Hot a ugu of the lund, although bookies, etc. if sitting quite undestwilled their makes it near I were lelief than ower that This group of land is in the "colory occupy in ing stoge, and make it was more unachable that I oliolist me III are rigres of first flights the day before yesterday Wednesday Thorewber 14, 1759, Christin Sur Just a word about the beliance of the governal Franklen's apillo, unles, with reveral unwatures to our or most evaluate, are realtered, in our and two unally all around the shores of there Quite martine - armiglet be experted "reed; " "broken" "gudeur!" LCN". " Krie-co c " on Koe nittee Labort Rolla Unall quite relent enground faw on bud land in the suidst of an inca colon, dutinting all the inhabitants, and provoling but of LCN's by all the wearly buch. The juveral curvered back with built of LEN's in whit- relaxed porture, with stight trace of R

Morenber 14, 1955 Chuicha Sur

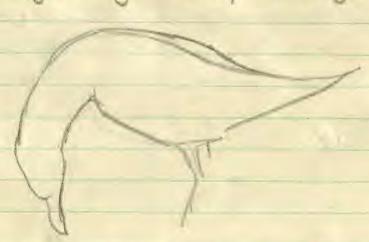
notes on Laws belcheri

There have been a number of there burds around from time to true during the last few days, and I have been able to watch their occasionally in the interval between watching From Jews

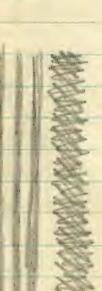
Pair's and single linds seem to have "Nations" favorite rolls where the linds can be seen most of the time. There "Nations" are not, far apart — no thing like a colour, - but there is occasional visiting back and forth. I haven to been able to follow this at all. list name of it looks like "pairing", like the Henring Julls in Vinginia.

Series of MC. O For ground, closes HD-0 as a approaches
then V-HF-V-HF-V-V- Gost-V- gost-V-gost-V-gost-V- gost-V- gost

Some of these Gosts one quite long-reclad



Some realis on Long Call Hote & Long Call.
Voice is a granticulous, pursuing ligh-pitched severing Mus.
"princingues" in granticularis noticeable in the LCN The LC is nomembrate more realisable in the LCN The LC is nomembrate more realisable in the Reng-boll—not bears. Citie the Ring-boll

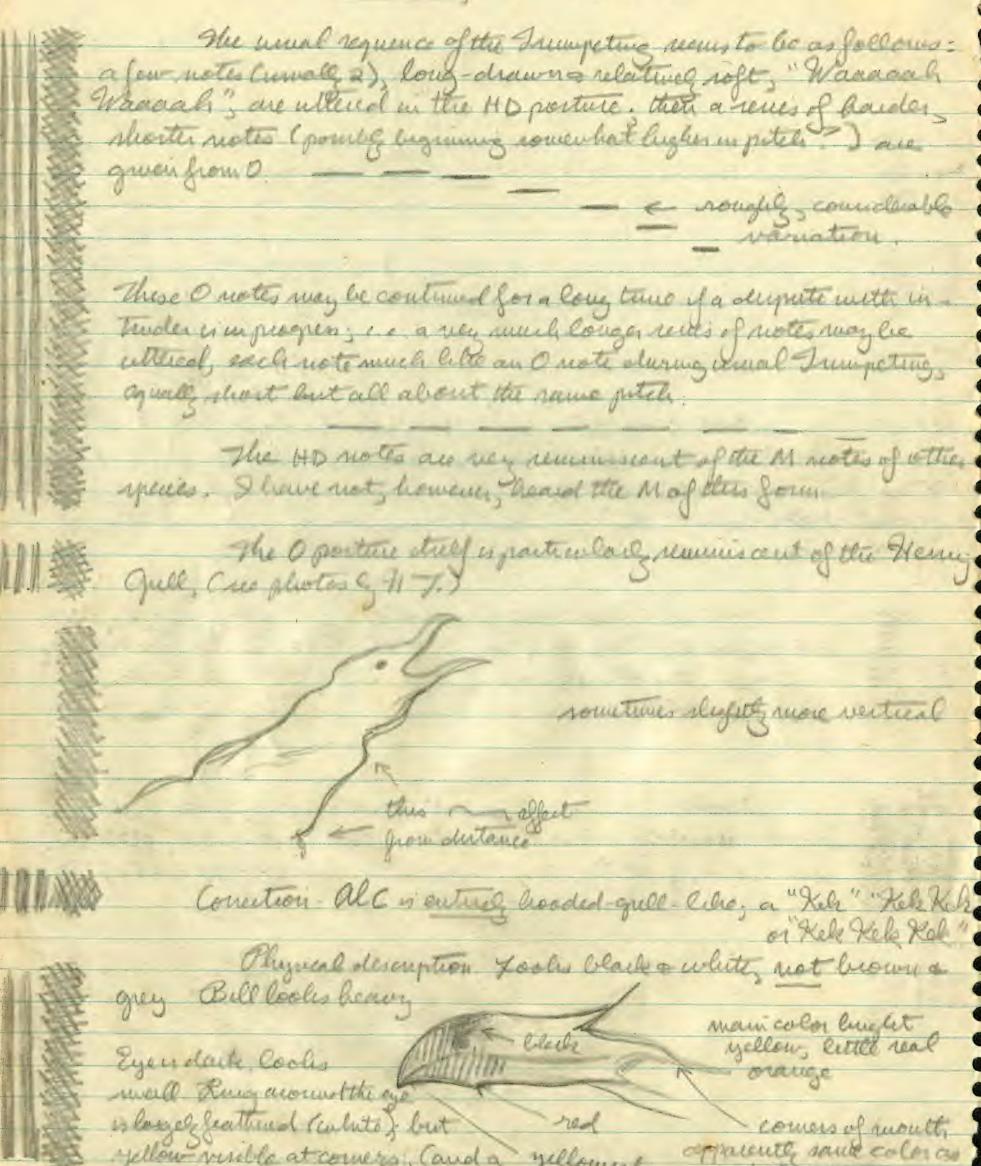


(6)

(6)

(a)

belchere Nov. 14, 1955, II



yellowest

want of luce

yellow verible at comers, Canda

we then live of yellow above eye.)

belcheri, Nov. 14, 1935, III



This rathered nests black on bill is extrained, variable May be absolt with the plant on the two rides of the bell of the same individual.

This definite, is a two-please type frampitus Call. I have just here from sein or her with a or a preleminary motes. (like these given from sein or in He in Herning Gill), and there were attend of the the her went about in He

SY M.C

Have seen one bruft movement by of, and out by of the mas from the formal or particularly diefrentitied LEN.

\$ joins of Both W+ HF. of then a series of "gort" (at least 5)

I think that this "gost" I have been recording in Mc 's may be something quite different. In or of above pair, the last (at least) of the "goods" appeared to be a feeding on Couose probably) drawhing searther Dipplus bull in true food, swallowing somethis, when bread to bell lifted.

Deficult I no roover write the above than I look up to see another Mc Don't luour who forward who Both lund Ho-8-V+HF. Then or walks away, puch ground over, walks, ower real Got. (He appears to be quite uleved during their PAG's o Gotts)

Qualter Mc., the details of which I don't call This followed by downward the life of walks away in serie V, stors two real yorts, with bell open copporately when Then one order - are good Is this connections?

and the Me the details of which and to cattle queller and y and the court out of the chart of and the court of the lefting head books to and a although I court see the chart to feel any the capacity of the chart of the chart of the chart of the chart of the capacity of

Grown of Toward flying mote.

November 15, 1955, Chuidea Sur

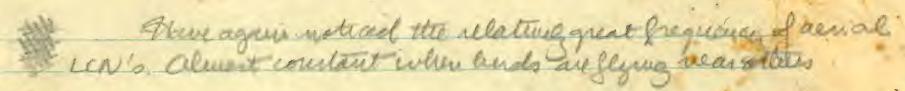
Have seen 708 MC , mice writing last and the utuation is beginning to recolve itself. "Typical". The 's can be described as follows The built on ground closs NO -O before incoming buol lands, then beth CAHT Callettes Vappears to be either "muple U" or "aux U" - I bare new nothing like a very extreme ago. V or "aggressive head-set" there are two common variants to the process this for 1. The return buil doen't better to HD-O, as desplay a confued to V+HF 2. The land una brustology HD-0 after Construe, thus hughway the HD-0-U+HF matured Is that happens after this is more variable. Sountimes one or both burds will go straight into thoking, Sometimes one or both huch well perform one or sion "mujele" gorts The female of the pair Dan watthew is a "reweres "Type fle codies out of got allo any U +HF each Time, and their stands in deers I write the next Goet form times one or worth will may jecket ground (to be followed by OCB "wallowing" notions after head is before), or actually during water or (possibly) prick romething up of ground; latit all there downward modements of heads bill the to common to be sheer comeidence or prese autocattorious. Factuals of in view of the fact that Chokwe is so common in the same retractions (and this Chehrus, occurs when there uses "theel and " present to comp breate the retucition). Speaking of Choling in MC it is often precooled by what appear to he pretiring Theplays in there circumstances forestines and M porture

he "pretrience " Luplay in their circumstances formetimes and M posture Hear often, trith in cittle Gost and or U lither opens bull (mostly) and Supsit open, or opens a closes well copen wides again) moderated should the "pretriences" to the sometimes occur without subject most

Ch, M, and the other "prelime" to Ch.

111 y by brush on the ground (with or without mate present)

out on ground, U, HD, and O all common before attack



The fact that I have seen no arrial fong all may be regressed from the brids after sever of lovel, report close together ", LeN's, which appear to be lugh internity reactions

How of allow one FB note this is the maniet thing I have near

There are at loost two pairs involved in proceedings in front of my venied One pair is very liquity priviled — 10 the 21 attacked the of twice often MC. 10

form of the "visiting" I have seen is apparently a con of an "inmated" of visiting a of Unfortunately, however, things have always been complicated by the face that the of 's "own" of has always arrived new short, after the visiting of, this consists from always arrived new short, after the visiting of, this consists from a confusion to displating

belcher November 13 La Puntilla 11:00 a m. Howe been wateling a disjute between 2 of so which has lasted for well over a half hour all very interesting General pace is very slow a cantions Much walling around in V, and new - V Some of the U's become quite extreme agg, U's. This species has an "aggrenine head-set "like the Rug like but all the cases I have seen have been much less "extreme" in appearance. (This may be large getue to the fact that the bead is news so "Their" toward the front One hard had his eiges almost completely closed when his opponent was standing alwest breast to breast with him. Many HD-0's always this period Buds umale grows one another or standing more or less parallel Often 3 a great deal of gosts. Must have been close to a 100. May in fact most, of their stid not develop into augthing further (See accompany my stretches for the great variety of gost portures) Some gosto, however went amostle into HD, umall after the level had been standing in good)reveral revends, poull even a runnite gless Gosts were alternated with other downwood movements. One seek at ground spulling of due Illera !! Leveral cases of putting bell into water and thou shahing it !! May lines little bouts of Cholung Looked abunt Event like Henry Gull. apparents accompanied by elythine call; but again I couldn't hear it. Some of the apparently low enteresty the green from semi- V reme the positive comme ca. were very remuniscent of regurge, bull opened under mountain Some Choling green from setting portion; but most of it from standing position with lines bent

belcheri, Nov. 17, 1955, II. There was also a definite Squat pattern Decurred at the times. Much like the Squat of the Rug-bell, but bill never pointed of the ward as strongs, prened to breast, like it is in my drawing of the Rug-bell

One huch gave hurst of LCN's from V posture, head wichwed slights downward. Bill opened widely with each note, closed or remi-closed between

Aguat Aquat one occurred as a definite response to a charge ly the opone

It was remarkable that there wasn't one actual blow delivered during this despute This, plustice remarkably slow tempo, might suggest that the despute was low interest, but the "evaggerated caution" of the buck makes me think, on the contrary that it was quite bugh enterest, wideod

The slow-temps, of course, is also remainstent of the Henry Gull Vietes on the form of the HD performance. Both phases often quite short welled. Makestien look comparative of little ritual god. I think the rounder of forms of the HD tend to be the shortest meshed, and this may be further support. For the throughtent there are the lowest interest forms of the pattern. Have seen nothing like the most extreme forms of HD in the Ring-bill, (i.e. herd o bill are never far back toward the tail) again voticed some variability in angle of D. But always comparative, low. Lowetines, particularly when directed toward a flying lived, the anale is first medically high. I away then gets some wheat lower as call progress, until like.

One of the of's was visited by a quapparent of his wate, during the course of the above fraces Organ HD-0 before the came in Men mutual U+HF-V+all roots of Opents as MC qui definite and V. I not too and but definite, not very agg, by the standards of other species Noticed, particularly in the case of the q how aux V is very long-verbod, and very thin, especially toward upper part of verk Gives pendias effect in contract to short, thinky, body fort of leke the welk of a Coscors be attached to a round black blob.

beleberi, nov. 17, 1955, III.

This ques somewhat involved in the dispute between the 2 of is and an interesting case of redirection appeared Some of the V's of the pair mene down family one another when the other of approached there and more important, the mated of a q both performed reducited HD-0 and Ch, Janua one and other when the other of approached Queticlear.

3:50 p.m. Mon of the name nort of thing youngon.

Motere that apward willwritten of head during any very quite very storing marked — at least nometimes

Have just new of regunse (egs) to feed q, of liegged frist. Whole proceeding quite like Herring gull. Couldn't bear aug M.

It is obvious, in indentally, that their species doesn't grice Mas frequently as the Herring pull almost extends doesn't grice that all in our There is no cloudet but that a single of and a mater pair are

Aproclus much of their day away from bone, print visiting occanonally

anauples I have near. Most of it is just about like the outside of the bill, ie a such yellow, just alignty traged with arange. Men the mouth is open, however, the course are definitely more orange than most of the seit.

Have new reveral very revort verlied Obliques



agg. V (looling very low-internety) before attack on gray grill

1 (105)

111 All agg v (Cooking new low-intrusty) before attack - then & during Styring attack, just before the moment of impact - when attaching a just belichere.

111 All Ove of the Equats I have reconcould be called a Freeze

111 All Ove of the Equats I have reconcould be called a Freeze

Goduring attacks on Grey Jules - Musiappears to be unrutualized feaving 5:40.

And Not 1955 and remember ever hearing a Landing call by a Beliker's Gull.

Juilary, Nov. 185,

Wirrocephalus 1955, La Pointilla.

Same place as yesterday when a pair of Grey-breaded Gulls land.
One is unmoiture, the other is adult (perhaps 2nd year, completely adult, everyther a lew dark made on tertials, which may be moved of worth.)

a few dark mades on tertials, which was be regris of youth)

The adult did not can to be approached by the immature I didn't catile the best part of this dispute, but the following points are critain adult meaned long LCN notes, "Kaacaa Kaacaa Kaacaa, ..., ", new hungs or rasping, no effect, no twang, from O, which looked about as much like Hautant's Gull as anything.

Carlight

tendency for muceding LCN's to get deeper mi pitth;
but there were never more than 3-4- (pointly 5 of them, no real Long Call effect Miss followed by when F, very resort method. This F with R, but R was possibly due to wind - although S rather doubt it)

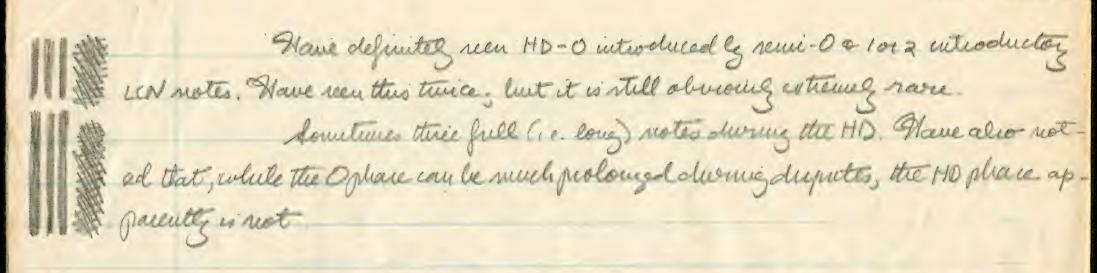
The inmature was releat during this dispute. Hew away. Fanoled Later cuttered 3 or 4 ringle LEN'S. There were a triple unexpected, a restrict clear "Kiow" nort of thing, i.e. more lele the Langhung Gull LEN'S than are the LEN'S of the adult

Adels to the 'staring", buy protie, effect.
The usual alert Posture is present

を変

belcheri

Nov. 18, 1955, La Puntilla



belcheri

Nov. 19, 1955, La Pentilla

notice that much of the ile is given from portures apparents identical with Gost portures four one requence Squat (bead as in age, V) — Ch.

Concition — of a root. I howen't receive any the as long necked as my long-vertical drawings of Greats (which was be too exaggerated anyhour), at high intentities legs become flexed (lint buildovem't neur to rit oliving "pure" (Ch), and belly feathers become comprisioned mon fluffed or ruffled.

However seen squat & freeze follow the investigation.

Choling with bill defruite cloud, (not too "mollen" an effect around lower your). Brid not far away - and lettle my - and yet I still did not bear any round!

One wooders if the reduction in number or raciety of reconstructions, apparent in both this species and enca, might be connected with the countaint pounding of mif in their breeding anvironment???

nov 19, 1955,

Queval note on dutubulion. The rame species here now as when I arrawed, i.e belcheri, modestus, cirrouphalus, pripixcan and a small teru, probably lorata.

nov. 20, 1955,

There are three zoweral Belever's gulls here. Tendelie the bonds juncticals obvioused in the weld, they are very active. Mostly disjuntion among themselves over food a few desputes with a appropriate cree below. They showed the following gatheries:

The usual alert portion Mus recoved to grade into a partine like usual adult U (i.e. not very "aggressive"), except that the carpal points were not raised or lifted at all (revaised mirrieble in fact). This appeared to be quite clear, occurring during clipmites, but relating race, (and, of course, it is far from ears to sistinguish between an alert particle and an U, when the letter is not accompaniedly carpinature).

G during attack, but, were important, definite G by bid

during aggrenive ruch or odvance without actual attack

Awhole host of LC and ICN patterns.

Among the ICN's were a few that rounded like the "unal"

Jimenal land con's, it thin s ready.

Oll C's of "typical Laws" gulls, "ha haba ha " or "ha ha ha ha ha",
quite untile the al. C's of aduct belchere heard in the wild. This is
quite definite, heard it repeatedly wall 3 berds. Given from unal ser pertures, 30 mentions any raising of carpal joints.

runt frequently by an aggressive burd advancing to attacks. (This would recent to magget that the all c of typical Louis "quells has been derived from an originally more aggressive pattern of principles. It is noticeable, uncidentally, that this polypyllabie all sometimes appears to be an

exaggeration of the "unal" you LEN , i e our accentration of the "ned" or "nattling" quality fuggests also that it is a burst of Cel C syllables

1.e. ha ha ha ha ", etc., that is equivalent to a single LCN. Doem't this confirm the conclusions that I reached often studying quiencles at Delta >) There led also gave complete Trumpetus call performances. HD-O. Both portures exactly lette their of adults, except for the fact, again, that the course were not raised at all. The notes theirrelues were much leve those of adults, except that they were "liears. er", i.e. remunicent of the theug-bell in quality of love Mis piejounance was green repeatedly at long intervals, wherever a particulany vetter despute avore. There levels also had an H poetere - quit leve that of the Henrie Grell a pillade or low- internet form of hegging" Begging till relatively counter. Cutainly food liegging. In It. found the unal "blioo" type; I think it was just the reme on that of the adults, Relatively elight HT. Very few- Gots, yang. no nign of Choling I must add, before I forget, that the primaries of these buils had been clipped 'Half way or less . I don't think that this is the enplanation of the lack of cape-running - for reveral reasons. The buds could, and did, fly a few feet in a low authorized flight and remelar difference did not effect the eargn-raining of the Constean Gull to the rame enclosure

dominicaures

nowewher 20, 1955, Zoo, Luia

Other wateried an adult of this years. In bed condition, but suprind plumage, and gave reveral Truspetine, Call performances. HD-0; with portions & voice similar or identical to those of the greeing Gull

Trovender 20, 1955, 300, Lima.

Had a cazeful of their levels at 300. Mostly adults, but a few young levels too. Noticed one pair of young, younger than the almost adult "noted before, i.e. muntaille almost pure grey; the & of which was doning HT in H+R, just like adults, same round.

modertus.

november 20, 1955, 300; Tuna.

One of these hude Trobably young, but in almost complete. adult plumage, with only a very slight trace of the white nuptial hood. Did a lot of disjuting with the Beldies o Gulls, always the agreers. Del reverel Long Calls, which I diele to rector aufulg well, but did manage to cutite a few points. Generally like these observed at falrias. Begun vez begt, with regred notes. There might be hansenled as "Tubatukaluka...", but definitely not a rapid rattle like that of Juliquesus. Then followed & real Long Call notes, descending in pitch, as posture became gradually lower. Sometimes their alone Sometimes relevided wito real & leut this was "weak" looking, as before testand, much less comprenous than the L's of the Laughing Guller Franklin's Gull. Once this was followed by I with I note. Our raw livel go up nito leigh D, open a slent bell rapidly as during the "Tuhatukatuka "call; but without uttering a round. This was preumably low-interrity

11/4/4

liam

Occasional adult LCN from relaved poeture

I don't think that I cantell a rugle Triote from a rugle LCN Ouce or twice saw T from H. Treumaly begging for food

Then a most penelia a and obvious aggrerine performance Bud would go down wite H, or remi-H, F, or remit-F, + definite and

modestus, nov. 20, 1955, II. (10) (comon juit before or theme R, and then much forward to attack one of the Belcher's giell. fourtures this attack accompanied by LLN (It should be Mus R was their obvious hortile "typical" = portnoted, incidentally, that the extreme wies were relatively rare, the typical H postule common at the beginning of the performance, and the portures with neck stietched diagonally upward or or approximately straight forward were comen just before the deliver of the actual blow-, (which often took the form, they sie, of an upward jab) four of their portures with R could alwart be considered unretualzed pre-cettacle poeties, except for the R; and it is not supressing, therefore that a few curretualized attacles also occurred. Movember 20, 1955 300; Luna serranus a rugle luch of this species. Occasional despute when ourother gull came wear, but also a lot of theateung lowered human spectatoes who therest things at him Mulatter fact may noull have changed the occurrence of the huds shiplays furt I alou't think to. In any case, the four of those duplays shown to other had was the name as that One buy V performed after L.C. performance. Appeared to be satter aggrenie Bruf "Kreee"s, anompaired by momentary retraction of head once to, wite a posture reminiscent of H. 11 Dunted toward humans

Swite a number of more complete Long Call gerformances

Encutually a typical revisof LCN notes "Kreee-breez-

Also a lot of Chohnie Directed at a new spaper Deviced toward it, Chohnie - attack on new spaper - Chohnie - attack - Chohnie - attack - Chohnie - attack - Chohnie - attack - Chohnie , etc. etc., Ohnowie, high intenset. The Ch. porture it relfwas new such like that of Blig Jail equally high ho setting alows. Call itself sowetimes introduced & live "chicking "noises. The real call was a soft "These-lives-lives in."

Choling ionetimes attempeted with PAG's

General notes on the voice of this spenes. Quite include Bonaparte's or apen headed, and not much like that of any other of the richbindus apone I know "Knee's are very largh-petitied, very should, rhightly needy. I couldn't diteit any difference between the notes of LCN, (FB), L.C. or Ch., except in length & notume, (and even their latter differences were composatively alight). Thus this species is like the other richbindues species in one two respects, as for as verice is conceived: its "Rivee"s can be counseled screeches of a root, and its whole voice is relatively inflevible and monotonous.

Before I forget - The bill was unide open throughout O, and also F, Opened closed during the fourt never opened more than veg slightly a lot of interesting R. Did R when morning off perch to feed.

欄川

Also did most conspicuous R's when moving to attack other gulls. Would ruch forward in H, or H with week relightly extended forward or regulty represent to Crowetimes approximating pre-attack portures of the Open Aprell in the same enclosure). Sometimes R when giving LCN or FB note in send-H, duested toward me. All this definite process that R is agginted to But R way also be a "pre-flight" or "pre-movement" nit, mor, also Carm Ring- will observed in Virginia.) This is suggested by the R's when going to feed - Deouldn't see any overthostilet, in their ceitein stances.

But much larger — body looks relatively larger, bead swoller Bell Moster, lint not too their. "Thank" name abope as that of the other wildenders gulls. Black, getting slightly lighter a knowner toward bull Bull a flet dark red. also eye ring. White explosions their, as in Bonaparte's Eye dark brown. Tunde of reports languages than outride

serranus

Tovember 21, 1955, 300, Luia,

Buil much less active today Oulz a few gouits of interest

Gave single notes, sear and or FB, in usual larial sear porture

with ortrevie R, (recliaming).

Jave a whole revis of LCN, (notes as close together as diving L.C. strelf), all approximately raws pitch, in definite O portice ("invest-ed arch"), but with tail not raised. Other gave complete LC (also "invested arch") without tail raised, (but body not very oblique, e o breast not raised very much). Olso gave at least O part of LC. in extreme O without invested "arch.

completion fan L.C. personnence. Obviorist, a low-vitensit, pattern

belcheri

november 21, 1955, 300, Levia

There levels weren't mer active extre 机机构的 One level diel G (unal land LON porture) -> HD -> 0 also one luid ded long hout of Choling !! During dispute with Kelp Gull Long neck, stituted forward, bell open, head a bill stanted diagonally down weed but slight (see drawing). Bud eat down, flat on tarse, during most of the Choling. Frade eligibility round !! This Choling appeared during dispute with Kelp gull, when the Is the fact that this lived porture was reminiscent of the M porture of other opills significant? It is really most peculiar that there young levels show so many duplays. Thuch more than any governeles I ever streshed in the wild (and the premies of this years were particularly dull - I never heard or naw their give a nugle duplay, not ever an ECN) The greater certivety of the capture juventes is probably due to their "lawevers", they must have lost much of their fear of adults, Cand alie, of course, there 3 levels are thrown together much more than most juveniles would be in the wild

mica

november 21, 1955. Zoo, Luna

There coged levels are behaving in exactly the raws ways

Only thing of interest I noted was an portitio very remuniscent of the Chrosture of gulls (recoleaning). Miss may well be significant in convertion with the hypothetical coalescence of part of an
ancestral L.C. performance with Choling. (Mis "th" portine of vical
was not accompanied by anything like Ch. movements)

dominicanis

november 21, 1955

Didn't paymoch attention to this head, but it was not martine Long shapute with give, Belever's Gull.

Sound & parties juit like conceponding patterns of Henry Gull.

Choleng itself was conson (in name disjuste as M, but I didn't

catile the chronological relationship of the 2 patterns). Choling was apparent, when I was no more than 10 yets away, and the zoo was

faul relent at the time

Once now nowething that might have been related to "gran pulling" Pecked at feather, then piched it up - after Choling.

dominicarres

november 22, 1935,

I am of raid that some of the stuff I have been writing about this buil was a trifle mutation about M This buil yout much of the afternoon doing M, then you to apparent next-rite, niting abour, with rear part of the body raised, leap bent, a comme ca, morning its feet up and down all this looked much like autochilianous m. b. be-havior. These impression accentrated by the fact that the bird also from face to time, when off next as well as on, prehad up m.m. (down) When pulsed up away from next, this is m. was almost always carried to the next-rite. Deposited straight forward One deposited with successful, very much like Choling (identical apparents)

There are only attings that made we think that there was possible, an "under " amount of hostilet, envolved the performance was an introder", Co of Thigher Heron or Belebon', gull) in the doorway of the cave in which the rest site of the list

don't brow if the M of the state of the Market of the Mark	must bave a her Kelp Gull a parte fthe Hermig Gull untital "bregging mi foods the former	telecomponent, but Detell enland rivilar, en its cricin- lar not "weth join, Belelon's Gull. in rey, The Tourrement of
		november 22, 1955,
	uica	300, Luia
The carrying of it	Eventual small	gave repeated loud this
		November 22, 1955
lu	elcheri	300, Luia
Ill "Typical Cariol" y	iw. LCN -> "pseud	la al c'é lufou cettaite Call
Etiere notes opnon from try	nest Zer pourer,	re semi-V, without any
raining of the carpi). The	o ruggerts that the	"alc"- type rounds an higher
witerent, and a more aggres	une than "tyrical i	CN nouncle I nather unaque
that they are higher interin	5. Chame typical	LON's cutomic cyrien by ast
Vancunghrids wetheret ai	y uguafacewouse	cis).
111 Duid gave con	yrlete L.C.	
M I LCN porture.		
111 the notes of LC.	miglet be traver	ulicol as "Keeyah heeyah"
11 Depeated pecle	s at barraral peel	not regaggience lookings
I I B after HD-O performance	No. of the second	

The livid who was FB from Kelp gull, was perhod twice by latter. Early Two rearted by going into extreme aux. V, will very lugh as in adult, 4 HF. HF swels weverent. On case I forgot to rivie it, HF of adults are also, almost always at least, swels successed to

sevianus

November 23; 1955 300, Luia

fequence; relaved porture & R -> F-> 0 -> F. (This Felow O hous been noted before; probably good curdence that O & F are quite reparate patterns

Motes on the pluy ical form of Choling duplays. Jour not spread during Choling. Wings not held out as far as wing as they are during may of F Belly Jeather's romember thuffed, but not young in a out shythwically. In at least one case, head moved slightly from nide to nice

allow this much

no particular foot mounicuts

Justes on the plupical form of the Oblique of Formard Jail en definitely spead devenue most bugh enterent performances. Carpal joints are unally hold way out, so much so that the wing-typs are unally quite widely reparated. The upper of any tail raining

position of tail ours - typo

H+T movement + note often exape from pelican Several interestive, requences of displays, C-T-T-T-rushing H+R+LCN at opposeent Cie. Believing girll 0-T-rush in H+R at opposeent. H+R mould certainly appear to be appeared. Note on the form of the LC performance of their livids Two points to be made; I, this here's tends to do T after real LC. 2, the and other buils alon't new to have newels in the way of a real L. The necker lowered a diestencial during the course of the LC, dequiving as a cuttic report initial notes are completed. but this news to be wore a "rubriding" of the Other anything else.
H+R+LCN at opposent (i.e. Believe's goll) 0-T-rush in H+Rat opposent. H+R would certainly appear to be acqueries. Note on the form of the LC performance of their livids Two fronts to be made; I. this here's true's to do T after real LC. 2. the and other livids don't need to have unclaim the way of a real L. The needs is lowered to shortened observed observing the course of the L.C. beginning as a cuttle rapid initial notes are lompleted, but their news to be more a
H+R+LCN at apparent (i.e. Believ's Gyrll) 0-1-rurh in H+Rat opposent. H+R would certainly appear to be aggressive. Note on the form of the LC. performance of this livids Two points to be made: 1. this herd truds to do T after real L.C. 2. the and other buils don't new to have nevel in the way of a real L. The neck is lowered a distributed observing the course of the L.C., beginning as a as the rapid initial notes are completed, but their news to be more a
Not on the form of the L.C. performance of their livids Two points to be made; I. this hered touchs to do T after real L.C. 2. the and other buils don't never to have nevel in the way of a real L. The necker lowered a directive of observing the course of the L.C., beginning and cuttee report initial notes are completed, but their never to be were a
and other levels don't never to have never be the way of a real L. C. The reckers lowered a restancial charmen the course of the L.C. lugruning and at the report interest notes are completed, but their never to be more a
richers lowered a restant deluring the course of the L.C., beginning as a cutte report inter notes are completed, but the security to be were a
arthe reproductive and completed but the security he were a
"meluidue " of the Other austrie else.
A S A April
location and the
Silent O portine, & Miget Gape, after cellacte
Diagram of L.C.
"Kuli" bril "Kuh"

Hovewleer 24, 1755 autoJegarta Bay.

Hundreds of modertus along the rocks line Many with worry white heads. Almost all with a linear white heads; (dithe latter may be in complete mapteal plumage for all I herow — there may be considerable variation). The lines are re-active that I hardly know where to begin:

To Pract To from Her sent - H. Mually, Ittimbe, ligg is FB looks just belie that of atten gulls, There is also leowers, number - my from a V pointine, (moderate - regulty any.); after Ittimbe by of preminers is a pre-cop pattern; Calthough I haven't new any cops yet), They latter is peculian

ne Sour

ive not unlike let of wice name benefin

Can confunithe the beginning of O winey lingly — alwolutely vertical in month lingly interest zaces — learning backward in now cares when an opposite it whose is believed the lightlying buil

So above a behind the luplaying buil

Their gente verguerings.

Cornon, pulsaps even the.
"unial" form of ligh intersety

modestus, Nov. 24, 1955, II.

Motice again how frequently later stages of D and I are accompanied by HF. at Ceast when water present or the cause of the performance HF away from. mate. This is certainly one of the studies features of the is performance of this spec.

Ithink my diagram of L.C. in yester days notes was wrong - or at least, it doesn't conform to what there levels are doing. The complete L.C. in there luids appears to be quite standardized.

> duduk duk duk lugli O du u u u h ulavation

CL. c. propers multicut the routines muching I - wile)

dubstubeduly duly-downanah nuglit be even hetter. Speed of call vacues human dones, nowitimes neuropeal, nometimes quite about One thing walneous. Some of these complete L.C.'s are great great from O, the lind ularing into remi-alert portere or even completed relaxed port we investigate after last water. There O's are always high, no right of any Comerne during call. They unwher are complete Le's in high o, followed uned by V. There are nouse L'azio lourenie de divitening of verlez during nouse I C's; but this city no means meritable, and I am assur enqueried by the "curity alged" look of there I's, the way in which they do not look liter full "reparate patteris. They still appear to be no more than a subsiding" (although, of course, it is belief that they are relightly were than that - or ele all O's would be expected to decline through L's. au L's less aggrenive. and

they relatively prejunity ausunparried by HF & ??? I think so grove ourle The fact that this L. C. is higailite, i.e. a new afragiol notes followed by a rengle long-drawn one, is new neurinistent of the Katelet -> White of Sureatus.

LON's are rewarded frequent. There is a steady clawer in this group Quen from an "O-LCN posture, quite defuille soliagous not upright like I have neen s no man of laters

diag. LCN.

modertus, non 24, 1955, III.

Some, but by no means all, of the 2. C. performances are followed by a Truenewant o note. Thouly, I think, more like I from i than like I from H. The Truste itself appears to be much as described earlcir , i.e. willout the undertone of rattle The rattle inductions during either part. But the rattle tone is culturely present in most of the ringle LEN's. Can this rattle undertone be coundered, in part at least, as a penitent, givenile character ? It is really remember to reminiscent of the resoluters" of the give con's of no way species There is outter to portue in addition to the one following O. They is much more extreme them the latter. Just lebe & & M porteros of the Laughers & Franklin's Gulls. Some of there extreme & 's are probably M. Ottoes may concernably be somewhat different have aggrerate; a les the attenting and before or after extracts, forme of the re are certainly accompand by a roft, nother long drawn "Waaaanh", which was well be howologous well the Monotes of other speces, we a roft muffled vernor of the "bane LEN" Carditinguished from the cutual LEN shown by there adulto - lacks ruttle love). The whole L.C. performance of this species is surpremised like the L.C. of the atricula quello. It is beginning to look my runchas if rome. form of O-L-T performance was the primitive assertial four of the L.C. Thavereen a let of U's; but haven't paid too much attention to their flitt - it is obvious that a rather numering proportion of the U's reen are nother any, or at least no more aggrerale than interwe drate". This is perhaps particularly time of the U's provoked ordinat ad toward the ruste, (eventhe V's ly of's).

antofogaita Bay.

Junde of mouth quite lengtet red now. Compriseous elevent both

Wateling revoral cares of ruduin late o revuel beliavier.

from him, had to approach him on foot. In V, west of the time; the usual "any" type V. Did repeated LC's to other levids as she went by. Protein that O was bent over harboned each time, a this was certainly not ober to the fact that approached or in silent M postura",

He stood in U. Here mutual Of without much interquent L) - U-HF-U-HF-U-HF. A but of U paradura What is breed malhed around, the of more than
the q, in usual "any "type U, with much HF-may, oursional pr. a gost morewents (next comprisees - new lettle interalged of at all). Occasional O performance. Quite a list of running around in "relent M". Then finally stood in

O a moment, releved.

() and not rune, during the above vicident, exactly how many of any of the O's went followed by a mondon unverticately followed by a "Tour Call" To also watched copulation. The copperformance was eventually leke that of other quells. but had its own peculianters. Multival T, or meetly from U, o mostly from H or rewi-H, but both buds did nowe T from both porteres. Much walking account one another. The T's themselves were done when the buds were new close together of occasionally received to be trying to get under of. O have now this in a other species, reach as franklin's). Occasionally q wito silent M, or also, nowe-times accompanied by Talio. formatives arriles alwest crossed their.

They the q put her head to ground, in a new chale or got posture, buefly regurgitated with Choling morewood. the quality swallowed buck food. Both linds ") wite Most to their mutual legging as lufou of finally ment down use, Bolow's huma whitter with call or authout; bell open, of course). Kegruez q tres to eat; but I den't think the nucceded, or probably mallowed food back too greeles. Back to beging as before Their o'mounted. Constray which like that of other gills. I continued Toluring recent of the time of on her week. of bill closed, apparently no lop. Call. Cop apparently runniful 3 times. Part-cop duplay, mutual O-HE-HE- U- ght- V-HE-V. Then back to begging again One thing I have noted about the begging, both in the above and other madents, especially the begging in H: it is accompanied by new compressions nervous; ride to ride head herming. Their approach to the parties in coursi cuous "silent M" postere is extremely comes - almost mentable Might appear to be an appearement" pattern - almost a form of H. An alternat to approach without provoleing licitlety. Have now at least one case of Ofollowedly Tim an apparents purely limitale vituation Most flying leads grow unal nuttle "Led inflight. One lived, however, flying over rue, gave pure "Hiow juit lety typical large Laws I stands in rather low-interinty form of I, & rules of to allack other builts, makes two actual, vigorous, attacks! One possit must be home in wend, when it comes to writing up the general neview of Landae as a whole. He fact that the gray gulls become executivally the rame houtele believer as the atricilla gullo wight wegent that the too may have given me to their own group of "terms" It might

rear be received to posit the repeated evolution of white head us dock hoof

or daile head us light body. Fachous may have only evalued once

Courf mutual begging followed by and alternating with 3 quite I communiful cap attempts. The begging of both ot ag was characterized by the Fact that they both alternated periods of T from H and T grow V. Allei was particularly comprenous withe care of the of Both also LON Cornometime from remi-1), and several relait M's. One O followed by definite L. My drawing of L is putte good. The bell was closed by the true the bird got down into extreme by it is was over; dust then the buil of the the the record part of the the record part of the must be considered to have reveal notes rather than one. that the record part of LC. auottu care of o-T in apparently pure ghortite cicumstances Howe seen one burd do repeated LCN (in diag. Opoiture) -> entreus high O & L. C. The frist part of this performance, with it showaiteristic ranners of the head toward the Vectual, is regetly received cent of the Lettle Gull. Munucuful cops. Three cares of mutual V. 000 Perchai performance. Encolonel lands apparent alone. Inmediate goes unto extreme M, persitent, entience o regular ride torride head-turning M fruit relief then a few M notes attend, then relent agree Head-turing contin nes allthe true. Then auctive level lands. Dees V-H= releat M - O-V. fact bud continues as before; everyt that 4 trues peels oppound revealty, Cearly peels brunt of peeles, followed by entreme mallowing wevenuents. Then I record brid ourel hortele - Or moneyou, and fuit reloves. Wenther 11 1 pouls connected with pairing ??? Burelof levels flying over me a number of all's and IN's. Then outlined gives complete L.C., continuing flight with normal wing-beats, without au trace of retualgod porterie es movement. Just stretetres needs forward a little, (perhaps rhightly upward at rawe time, but no trace of even a rune -0). Didn't even accelerate flight.

9:40) U-HF after attack - V-LEN-LEN-LEN-V. V-85-V-LEN-* LEN- U-55-55-55-07- U-55- U. LCN. LCN. O- V455- U. LCN. CAHF after Broking 10:10 culture. 20 LON'S. LEW LEW. 7-V-SS. V. V. LEW. LCW. GOT-V-HE-V-LEW-J-LON LEN-Got-LEN-V. Vafter retreat. retr-Lew-LEN. LEN-gost. 4 55 = one side-to-vide turning anide of mouth is put or salmon-colonal. 11144 - Qual LCN poetere in airis almost reartestehing of week. Wateling a of meeting circular flights during pairing Quite extrain Leveral traves cricled our general area where quewarned, also wade large ingularcuclos an cell olivectionis. Rapid flight, (quite the furtest 9 hours read), but with regued way beats. On an anoual diglit have of enatices in. Our shallow hut long glade forward a lettle. Once defruits chaud another flywig bried, in an apparent care of recluse tion for about 20 yes Once the of flew up after him, rejoured him when he landed, but Dolechi't follow be believed in flight. "Didn't count mutual deplays on ground between the above flights. aut they were of the anal rock of not UNF & So, etc. Then walling around in Us with juliago fewer HF's \$ 55's Own two trenes of M (probably release) Then or did O- dufet L; with no trace of T. Then more of V complex", (i.e. U+118 + 55) (10:10) V.V.V. V. LEN-O-T-V.V. LEN-LEN LEN Voluving retreat -Malla V before retreat - Volumez retreat. Verfore attech - Vafter attack. Verfore attack -Vafterattacle. O. beleut M during retreat. IN. V. V. V. N. M. Welsefore attack - Vafter altack Veloce attack - Vo Ht ofter attack Melwingattack Vott after attack Vinjouritails-Vafterattaile Vinjou attails. Ch. Ch

modestus, nov. 25, 1955, I

The the wated in preceding line, was done by both linds of a pair, half aloep, when a stranger approached them Probable a vez low-interint form of Onvels were already retters The lands just put their hills to ground, made buf, slight, but unwestatiable upand down the wovements. Wide't bearang round and one gatteri to pairing requeres Walking in Gost orthing or pill a gest mount when standing still. Occurs during "Vicomples", with or without accom-M. age v after attack of before attack - Vafte attack v. V. Ch Cashefore). agg v a HF ette attacke - pr. - I M Call patterns mached just M are select M's) U. V-55-0. U.T. V. agy before attack - got after attacks - V+55. Silent M is the usual way to approach parties or patential parties, W W Ben watching a copulation. I release most of the time wilnowing the periods when he was lowering his triband making actual closed, contact But, he opened be bell and I am almost certain whend a Cop Call whenour the q streted to those le or trust to run away. Bill opened just eligents. beptopen, no OCB. Ittivile sound was a very roft "wh-hale-bule-bule" of running, resolventy rlowly with poures, after & who is retreating order v-M-V-M-V-goet-V-M-V dury his advance Both of & of frally do Vette when q lets him catchap. Both way start to preen Course absolutely no waron why some lends your pure "Kesow" Led when flying and otherlands give cer with "rattle widertone" Duly posscharacter of young liveds, or etiat the "Record" is motivated by relatively stronger Bud after fight with mighton, walks toward partner in M, then

stops some distance away, stands in M, bull to ground, (heads perhaps slight) bent on neck - pointing more strong down word than neck - this not "pure" Morture), utters "who hub whoooah soah uli hubbuch ... " wet of huseness. This appeared to be exactly the name on the new times of M& Ch notes utreed by much years as Franklin's Gull during low-interest Choling. DE. the M note in this species too , appears to be a "low interest four of the" I the the round was very inular or even identical with the Cop Call I guit Swouldn't be at all sugared of the mining in Gast patter venering during pairing were a four of running in M. Goet is often from a remi-M porture > and the two patterns new to ritherpade completely The common approach to partner on foot is actually M-V+HF-(V)preen the precure looks completely waved, but it often follows unreducted after the U+ HF, and is often followed unadiately by other shiplays le g.T. I so it is pobably not "consideratal" or "purely autocultionous". Mus species, with its long wings, looks almost as term-leve as inca in Sleglet Have beard one L. C. on pound with an extra yelable in the first prest - This is the oul care There hered, however; and the rant of such variations cannot be too much stitued. * area O. O'-1'- La LEN. (L' stands for L'Outure part of L. C. performance Often relevent at each - and their course be told from relevent M. Thurst be thereof that extreme & and M porture any literally identical). Verforeallable - To HF after attack. V-agg-V - Ma M note before attack Vaturations N-6. agg Vafter attack - M'inforeattack - U. V. V. V. V. V. Verforeattack - Vafterattack. auother copulation as before again ofores your Cop Call when & moved. But the time rouge of her Cop Call notes were que with vell absolutely cloud of M+M Note - 84HK-U & V+HK-U gave M note in fleglet, in unal neck stutited elightly forward porture

Ittimite that all the most aggressive forms of M, with or without M note, tend to be with heads hell possible rlightly more strong downward Mulouattack - MrGolurus attack - Vofte attack V. V. LEN. LEN. Molyruig attack - Oaktatatle - V-55-V-LON-V. Ch. Ch. V-M-V-gost-Versone attack - Vafter attack V. V. V. V. before attack - Vafter attack Vafter return of does V-gost-V-gost. q does U-HF-V May of the "altalles" wicheded in the above counts are no monthan fact rules toward an sipponent. This is particularly true, perhaps, of the M's before attack This species, in cidentally need to be justicularly prove toward such Dearing 12:20 Back 3:50 * area yer. Len. V. Len-gost V-LEN-gost. M. LON-LEN-gost Vlugare escape -Valley rape got v-got b-55-55-V-got LEN-LEN-LEN-LEN-LEN-LEN. gottatte attack. v. v. b. b. v. v. agg. v - LCK. V-LCK-LEN got got. V-35-v. U-55-55-U. O-1-1EN-got-LEN actually I need to be using "ss " for a "bout" of water to - note turning not just for one motion to each wide acual Lead with "rattle undertone" might be trans embed as "tarararilys" 目標 The bigastile nature of the L.C. might be riqueficant in connection with the "L.C. homologues of vica; except that refer 9 don't ree an correspondence between the receive parts in dicumstances or premiued motivation a wor rapidaceal cert with "ruttle" tould be transcribed as "tarrirup Certainly, many of the leads attening LON's with "rattle" appear to be fully adult in orthwal appearance." although many of the place V's appear to be slightly on the aux, note; Delow thuile I have recognithing like a real aux. U, i. e. bell pointed upwered LON LEW, OF K-HE, O-L.

It is becoming fairly obvious that the LC performance is relatively much commoner during M.C. 's between water than during the low internst duputes I have been counting Penelsar orientation of L.C. Q & of apparent water Both O. But, at the end of O, the female turned away from the water to look our her shoulder toward Good view of of feedering a performance of from it repeatedly. Francis in My relent M - M note - relent M - PAG- relent M - PAG- relent M - M note release M - Muste as & continues of middleng requires, & nucles upocato food of involvation V-T-V-T-V. quit U-HE-V-HE-V. They excontinues T-ing iterdily; but his porture becomes more o more libre H. q continues T-my too; lest the tends to leap on V hetween T's. I does one OA's, reveral molent, rapid, and "newours" precuring movements interperied with his T's 9 does one precen Then both begin to precen in normal Jackson & relax. Arotived that back of of bread was thrown back right onto be show when Ting from V. But bell not pointed back ver for Haroly were their neitral - if that. Explanes bend in nece. Muste can be trous which as long shown, roft "Whilehh" or Now that I wention it; the M note and the record part of the L.C. are new nimber; but the latter is louder, were "wailing" "want reason " with W.V. V. N. B-LEN. O- Linke Operature of LEN in Operature gothe gothe it awa goet: V-16N-8 6-35-55-V-gold-V. V. LEN. Mathenate-gold-Mr. Encl 5:00 Degra 5 150 Muste-Makhote-Got-got-got got got & b. C. V. V. 55 rote as neck was regetly lowered. This lowering was strelf pending — as simi-united arch as in F. But the lowering was relating reglit at end of this peculiar lowering. How love wateling one solute bevil, in defente wicomplete must calplemage. Iwice diel nomal & C., O alone, followed immediately by two notes, relatively level "wals" rounds (quite welle built notes of fruit part of i. C.) First of their "additional" notes in pure O, record in almost perso O - but weeks a little diviter, livek of lead deputy lowered, i.e. receips a trace of T. In connection with the generally very iterative of the Lie call itself, Inhould add that I have never beard either the fruit or record just That raw level in incomplete nuptial plennage is back Organ has green rewal LC's with a additional notes. Exactly rume porteres as before Their defentes an individual pendering Init connected with incomplète plunage? got - N- V- O- V-HF-V-LEN V.V. O- 1-T-V- Mbefore attack - V&AF aftyattack - V- oxhefore attack - Vatitafter attack - LEN. Mujore alticle -Vafterattails. Vafterescope Val of my counts of low-interest hortilety have been woods on the shervier, part on an absolute flat field, leave of vegetation, by water Their is at least one great difference in the hortelety should on there & rites. allastes were relatively conven in the field, relatively incomes on the showners. Is their olive to the ney rough & uneven surface of sherries? of FB from H. The Trioles can be housewheel as "Wish" "Wish" " It is my definite impremon that the Triotes sometimes occurring after L.C.'s are sometimes more like buil versions of record pour of L.C. than are other (ig begging) notes But this is probably only occasional

modertus, nov. 25, 1985, X.

apparently another case of a had giving complete L.C. in our from an unritualized (really, I suppose, slightly retualized) neck - stritilied - forward To is actually not infrequent for a flying land to give 2-3-4 LEN's before it lands. But the majort of leads me relent. and there notes are not until given during the actual landing thelf for The itell in ta Tanding Call From the decompanying portures, and the decline of the round toward the end of the LC, one might assume that the fruit part of the L.C. is higher ent emets their the last past Is their true ?? Or es there part a difference in relative aggrerowevers? Dit rofe to answer that O is bugles without than I. ? Certain the Opertures during but is are for more extreme of evaggerated than the is in the same circumstances - on the average - but could this concernably be due to the fact that I is on a lugher entenest, level and never appears in a lugh intensety four in such executaires (lette low interior the during communal area and ot Ker buildenputes). T. The usual Tand As normals " uh" in " week" oud " oo als") are not itisrundar viquality. Truste rounds almost like buy M. This means that the T recte of this species is relatively more muffled than the corresponding rotes of otter yrenes I have studied dearing 4:50 Jui spent walling comm. area on rhervies: 9:40-10:10; 3:50-5:00, 5:50-6:50 June quet watching come and onfeeled: 10:40 - 12:20 Went back at right (after 10:000 m) to ree of buch were still there How on fuld al least reveral hensleeds on sherines of probably others on rocles en destavio - could be a seraceval calls for off) Thus I don't bruow of there buils have occupied a color or not

november 26, 1955, Autojogaita Bay.

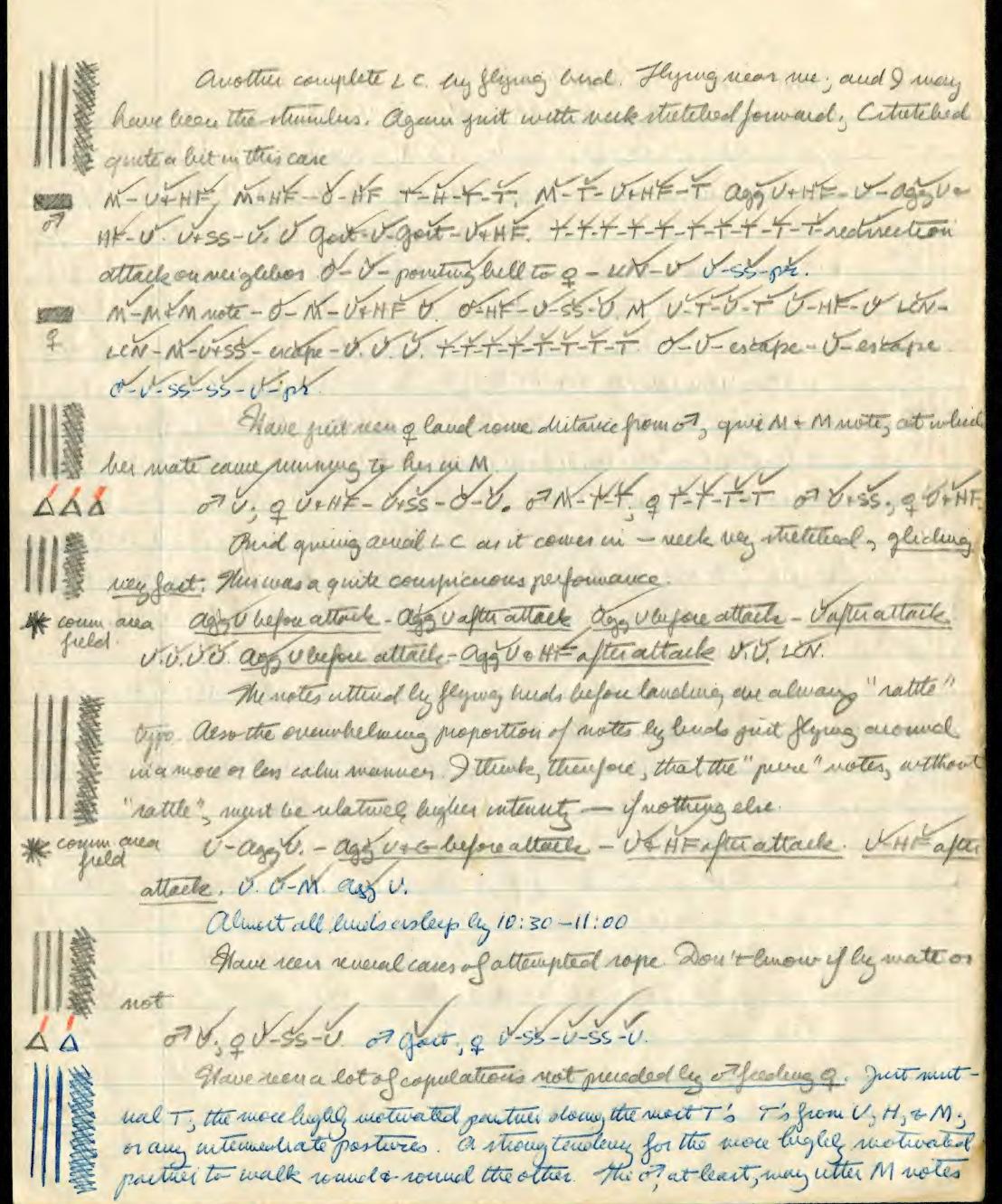
Quie 6:10 a.m. 0 U-HF- 5-T-J- U-gett- V-gett- U-T- & LCN-LCN-KON. 5-I-U. ou ground 0-1-HF-V. LON-M agg V-V-LON-V. O-L-HF. VSS-V-M-gott, U-LON-LON end LEN-LEN-LEN, O-L-HE-LEN-GERT-ZEN F-M. M-U+HE-U. H-T- TOHE-M 8:00 6-LCK-LCN-6-HF-T-T-N-U-Musti from U-V-Musti from U-U-Musti from U-U UNIE-U-T-T-V-T-U-T-ON-U-T-U-V-V-U-U-U-U-U-U-U-La comprise a comp HE-U. V. LCN M- Y-HE- V. O-HE-U-M-V. M-HE-U-NE-V-S5-55-55-V on ground N-U+HF. U-55-U. T-LEN-LEN OLL-HE-LEN-F-LEN-GOST, T-F-Uauch. 8:00 * Cour O-KUN-ICH. Wafter attack V. V-100-VEN-VN-V-gest-V. ICN. V. V. V. V. V. V. V. V. O-K. O-K. O-K. agg. V - V V-SS- got-got. V- Let Lenshounds Luci 2100 LCOV-LEW. U-HF-V before attack - Vapor attack - O-V got Gost, IN. Copulation much as before, but this time of attend loud wal kak bah hali... "whenever a moved. (There notes were rapid; but by no means as fact artta glik order tall of Franklin's Gull, for untaute. Ocobably best coundered form of LCN. Bill wide open during notes themselves; I think tended to close between notes.) of does M- U-SS-U. of flee away, in appenent excape. Dem not including pre-cop or part cop duplays in my courts of or and quelections, but I am including those displays amounted with regurge almost no doubt I think, that many of the cert's during communal area disputes are "long-dutance" patterns, while all, or at least west of the V's are relatively short clirtuice LON IN-M. M-8-L. ROLEN'S. LEN. LEN. I have seen quite a number of breads, just standing and guring repeated LON's From the remail portures; i.e. limit diago, or, her frequents, seems V con porture. Oceas. from M. There are sometimes, I think, o's calling

Them fewales. If so, then the LCN is more than a purely hostile pattern It may still be nomething of a "general frustration" (1.0 serval thinacting)

reaction (Must cheek on this). What after attack LCN-LCN-LEN. Ending 8:00 am. of alla Outside of well, eye, eye-nug, & feet appear to be perfectly black, even at I short dutances. White exploreus still noticeable as every whitest broods. Tether I'm getting more contions - or else this species is even more carriers about ouentating its bottle duplays Controllay LON's - but also L.C. perform. auces a V's) than most gulls. There are an awful lot of their which leave me haffled having no idea what provoked their or to whom they are addressed. of closes the sen-th-sen-M-sen-M. q glos off in escape Wattley another level, adult in incomplete martial dies, standingen indated rock, (no other lucks on ground reach), growing repeated LIN's from enalporture (our from a remi-M) apparently directed toward flying brinds June 21 of there; then eventually flew up, wicled, and flow off to land about a 44 mule away. Que courtaint ser sur flight Both the ser bou ground and in ans lesse à rattle modertone. Mus couldu't pomble le connected with parring could it ??? The behavior of their level booked rather like an "invitation" noticeable how few attacks there are by males on fewales - at least at the stage I think they do our coursely occur however. Hard week an inclined guit diglety downward during some acris ? Bill looks noy long. Mouthopenest non widely. Mice may be something like "pointing the tell toward the partner" It has just struck me that I have seen writes turn to look at one another, unally in is nometimes statching the needs forward a little so as to move the board diegetty neares the partner, quite frequently Probably not amounted with any partners enterne form of livility or revuolity. universal of sq both V& ME Have pit leter letering to one wale's Trustes & M roles. Very remen-

escent of Franklin's Gall.

One Cop Call, at least, noticently slower in rhytim than Challing. Have seen of in incomplete suptial plumage give repeated M notes from a "V" porture. Business rather more correct during the emission of the note itself. Rather long their neck - as in almost all orall the "erect" duplays (9:55) de Volunia utreat. Vapres attach M-T. U+ HF after attache, LINfield * LIN-ICH before attacke - V+55 afterattacke v+6 before attacke - Vafter attacke -Und before attacks - Yafter attacks. V.V.V. Undbefore attack - Vaftyattack v defere allacte vojterattagle- V legloge allacte - Vafter attacle V - ren before attache or chiggy HE. of T-T-T- four Higgy, of USHE, &U +++++ &- JAME J-Y-M-MAM note. 8-1-M-V-Y-T-J-Y-Y-X-M-(37) M+M note - U-T-U U+HF, T. U. M+M note M+M note + SS. M-U+HF-M-U+HF 7:55 LEN. V-HE-6-4-4-5-4-4-5. 5.5.5. M-VOHE-M-JUNE UTHE-J-Market Market 55-V+HF-U-U-U-HF O-6-ph-J. 8-HE-V-escape-UNF-escape-U-9.55 reduction attaches on neighbor. J. TAHF-M-VANE-J-pri * commer field vafterattack vafterattack - VAHF v Coperattack - Vafterallack Verprealtaile - Vafterallagele Volume retreat veryon attack - Vafterattack Buil in Dattacked - Vafter being attached V. V. V. V+55 after attacks. Interesting care of genering behavior of recusto & in Grafter O-L. Then both gotheough "Veowpler", mostly just plain U's, then lots of T's intermugled with the U's Then of down into M+ M note. Two whereting things about this One; or made repented restriction attailes on maily ands, after the had somed the quiterpersed with his U's & T's, Two: q reguged huff one while of was off attacking neighbors, wellowed food harle innecticities.



instrout any sign of actual regurgetation. Have again seen of a mount straight from H. (this may be the unal procedure after all!). Better add another full catigory to my general classification of calls in gulls as a group add "fragmented" to "mugle note" "low-interest rhythin of repeated notes "and " high witewitz shiftin of repeated notes." Fragmented" well take case of the aleann Cells, etc.). Neared flying buil give "rattle" LIN, their without any perceptible break give a wither long drawn Wah "note, satter reminiscent of Mrote. That have been calling mute, this buil landed shortly and went staight into One copulation welcoled & reparate contacts of the closes !! This was also the furt copulation in which I noticed the of perhing clown at the of when the because retters The HF movement is really more complex than a simple sideways jeck Often victudes a downward pointing of the hear as the flagging movement occurs . This is very rapidly and the bill has come back to its previous Cornerly honorated position by the time the flagging monement is completed I think that a mulas downward muniginas also characterities of the HF of vica Cand possel also of belchere). They be characterities of way forms Tearing 1:10 pm. Baile 5:20. Prudiallou fuld, and 9 can't get there because of bugh tide LON. LON. LEW LOW. O-K-T & E. LEW. La Property Hovereen one extreme L, after O, in which the bell was wichused slightly represent thus producing an approximation of our F But this is the only con seen cofee and the posture street was much lesser treme than the "F" of Juliquesies. Founda way to full 5:50 ung ith-iten-ion age act vergo attaile - Valtigatinite icht-like-yen & gos viejou attack - Vatte attack Vafte altacle. Mulou attack - Vafte attack Volumen retreat. V. Whefore attack - V455 after attack

+-+++ V-+ M. LiN-LEN-V-+-- W- LON-LEN-M- reduced com attack on A STATE OF THE PARTY OF THE PAR 07 meighbor M. V VAHE-V-T-V M-M-X-+ End 7:25. 5125 7175 Company of the second V. N-V+4F-V-T-V. N-V+NF-V-T-V-px. LCN-6-K-N. 2md 7:25. 7:25 JULHE, QUE OUTHE, QUEHE OUTHE, QUEHE-agov. again revenleramples of of mounting from the after he had done way T's from M. and remaround the quever trees in M, with or williont T's as he ran. One example of a of growing reveral T's after mounting, before begrowing copulation Watelung prelimences to copulation is one puis of itsoid in remi- is doing extreme to a but not new frequently. Framing account ber in M & H, clowed may leventure T's. Then just franced leader forth believed & , frict coming up Prout of the q, their would be now huif mutual billing, is but This grenous. Sometimes, 1 would nibbleat one another's belle, in new - v or v porture custiont of this is probably a development of the unal FB of gulls; but it larded nather unlike any I house row before) a few additional posits also noted during the westert. 1. When one partner runs around the other, the running brief is almost always in most Land Thave seen this wilots of other green also), and there M's and H's niterprodu contantly - you could not reall draw a live between the a patterns of they only occurred in such execustance 2. Again impressed with the fact that there are two morphological types of T. Due from Hand My cull & pout part of head being raised out register a record from Uz in which the back of the head is this way backerard on to the shoulders and the bell paints loward the vertical Charlotti n'quite entreue, as enhere as the Toof Frenklin's o

Laughuse, Cyulls - lent quete diff

Mere is still attend type of T, wother animustances, after a during L.C. Those leve the T from Mos H. a relatively slight movement. The bill being thrown upward, and the back of the braid going down a forward, not brokenard. We bill seldom reaches the vertical, and always memory area be youdit. The T's from I wondentally are just like the T's from other M pare-

Another complete accord is a glide by bud flying above me CDs awal

There were formation. One is the solder birds growing LEN's toward flying bruids. The other has only been near in this fuld. Decarrowally rected level running repride the group, in M, will go noted by with reveal linds it gover Hove were brue able to follow the so bads further however - they were alleged and

O-V2L-ICN. (Lowerftheir LCN/s may bour been sleght; "softer" than usual; lo transitional to M note). Hun fluis up, fluis 300 gots away, lands in new-place. Here does M note in LCN porture - M mote in LCN porture away to be in in M, and they both perform mutual VaHF, then began mutual Torney. This is good enample of LCN, O; and M note in LCN porture apparently due to this action of line.

Another equals convicues case of the name noit. Flands above Does LCN-LCN in M-LCN-LCN-LCN-LCN-LCN. Hereing and lands in another spot reveral bundred yards away. Does M+M-Note-LCN-LCN-C-L-M. Hereing a runs up to bein in M. Mutual duplay, poem, relay.

no. (Muse way well be a general tendence for a glude to accompan cerial i.c. hut it probably init retreatered. Mot out do-some annal i.c.'s occur wittout it; but see the cases I have seen how been by berels flying fairly low-

over the ground, and it may be purily a watter of acrossly names). Of the acrossly a notation from the same alight moderate forward stretiture of the heads week, being outed bead.

Sught patters in this paine. Pame starts to because up a dozen times. Ands excle back over field, then of again in auditier paine even before their start to land - the goes on for at beaut 15 minutes. Junally by 7:25, remend hundred of them have landed in a flock on mater, where they seem to be relaxing, and a few house landed in the rocks and are ulaxing too. Si undered of other landed in the rocks and are ulaxing too

Therebeds of other levels, however, from flectes in air, wicke new first in air, with more regularies and action there was an action of a close of a class and at least one felical Pawie up, lugh in air. There beads one presented going to a colon.

It was very noticeable that each time the belief Paure started to break up their was a tempe brush of LCAV's (notite environe) by the series I have also beared the name notes after war, other games. On had, flying rather brok, far awa, from we, gave a complete aerial & C. during one of the periods of remi-relaxation the

unal porter - with heating wings

Come level flew-up when the others first particled. but, before joining the others in their exape, flew about their yards, very fact, weth deep ming beats, and moderate, shallow sweep, weth weating manage, and their sourced upwood with wolvoules wings. This bere uttered for or five, rather long-shawn, pla - in tive, "Wah "or "Waraanah" notes, dury the amberated horizontal flight and the subsequent sweep. In other woods, the gattern was just like the sweep & PCC -> sear pattern of the Ring-belled quel!

modertees Autofogusta Bry. arouve field a sos a m. * and whole atting - vafter attack yx-0-16N-V. LEN, gott. J. M. Belition attacks - MY's lufou ottale - Mastinatticle, Un HE after gettacke N- 85 after escape Like the job after attack whefere attack to We after attack - U. V refore attack - value attack - LCX before attack - Value attack - LCX before attack WHE DONE OF HAT. ME UNIN VEHE OF HE - CENTE OF DE CONTE LEX - VI WF - V- pr- V- pr- J-pr- Self - N- 54 Ht - V-T- U-T-CT &- 0155. Such SHAR or vert of it of pt. it. of or or or ent of Med Med IN. O-Mlegeli 10:45 SAME-U O-WHK-UU. 1553 Who was worth of the of the was & the got wind of proper began 10:45 VALL O-NO OF H-F-T-T-T- VALL-O- VALL-O- VALL-O-T-VO-L-T-V W-O. LEW. LEW. LEW B-HE B-V-WE LEW-12N LEW TEN Thoticeable how after both wembers of a pair will seen along in M toget her wither note by will or one following the other. In rome car so this appears to be a form of new i-escape ligg, with the of following hor Inother cares, and ably the ways rite, both built appear to be slightly aggreniue, often reduced was this aggressiveness toward neighbors. or way To be go Both U. Both U. Vertu estock - LIN - LIN - LEN - LEN - LEN VONFORTE estate - pte VENT a to attack - U-1111- Voyou attack Voteto our attack - Notte attacks O' Who I go while attack - it is after oftack and vapor stack vinder Alane guirt house 4-nyllable Ol C wheel rounds girt lette some of the Have just hered 4 - regularie or to the large Lanes "gullo" "Those is a most compressiones hamp" on the shoulders of livels viteraline or remning in M:

(141) modertus, nov. 27, 1955, TL. - Her true may be an "indication " of regurge - as it becomes larger , rounder a more I swallen before actual regarge; atter ugu of regurge I think it wil I quite insteplentent of regurge. * cours attack ylufou attack, Vaftiattack ICN. ICN. Vlufou attack Tafter field attack defenantache voltentiache v. V- ver. Vludere allache - Valle alleche Mojou ergpe o o o desperantaile Vart ofteratters Vissafrialtaile V. V. Glufou attache - Vapita attache V-6 lufous aftoche - Vafter aftoche Municipal, beth of HIT-U. 8 M-T. Q. & Oofus que There is a fairfullifiente line arceleure the end of the enlicte board in the Curels mutterment complete unplease plumage locks quite large Conse prite of the source of the upper wither on nape - the frather of the upper the slight of neck on light grey and tend to frede with the brack is variable, the hood but it a celways rounded Bud long but whent It "son ground. Beguning each time en almi - O remi - 1 , then going up into extreme O, then coming down inte rent-o rent-1. The initial rent-0 rent-1 was one accompanied by zer (were little ratile"). This appeared to be our of the begint witouist, i. c. per-Jourances I have also rofus. Therett void that I have new a number " ris eig "an some other ac's - level beginning in extreme O, then gowe up onen fruither, and leaving backennel defer coming down and forward without "unual "four). Heard unvature brief Chrown on recondances o tertralis but facing 11 18 complete Good) qui O a L.C. just alec that of adult Have seen inmatine of wated with robilt q and unature quith adult of

Mount of the starte of the starte of the fore altaile - in ofter attack of the fore attack of the fore attack of the starte of t

of pouring. Fortunt of was new ments and little hard, and welcale low opened on side this of appeals now twee relevant opening, but welcale low opened on side this of appeals now twee relevant opening, but went if the time in a lest porture, new -1, or V. A sad look, what wide longs, body, wolf, needs not as long as in some (1's) to alway a lest from not to vide. I convoid for a Does in No of man V. (is welk breams always from not to vide. I convoid forward, with the attender of each note. (is need breams always fleques or wheat the lives fleques or wheat. Once ded to the levels fleques or alout us twees toward fleques back of the survey with of to attack office levels fleques of a lovery need fleques back of the survey from the levels fleques of attacks of a live of a survey fleques of a levels fleques of or citales fleques of an extension fleques fleques of a levels fleques of a levels fleques of a live flex flex flex to ment to a survey these are well fleques of a live of a live

The Fluctuation of twice (I don't lever whitten name of new) I didn't receit full approach. The record approach, at least the last toget of it on foot. One operating by or was 0 - U; HF = U. The recordings 0 - 1 - M + HF - M - M + SS - M - SS - M - T = T - M - T - M - T - T - M, (all the Tis wave from some is, remit to parties). Oil the gold was U, plus onas. HF, placeman so (so a constant of many constant of the Fo), and out T, from U, when the of was T - way. He fait must was ended by the of attaching the of the new of selection of the of attaching the of the new of selection of the or new feeducation.

The record trive the q flew away she landed about 200 yes away. Here the just stood, growing occasionical LCN males. Then the was gowern by

another of, approaching on foot - She ded O - remi - L., then just stood in another or less V, with purhaps an occas. HE on SS (there perhaps are too-show to be real "55"s) of leaveners and O-V-T-V-T-V-T-M-M-M.

Took of humais (bugunum he T's from V, my extreme, and their game, down ware or less apadoally into M, enem, perhaps, nem - H 94 is M's, lette there of the fuit of, were accompanied by much slow - to avoid note fact and to make the first of the there was been the good for more, Man this of flew-away, leaving the good ground, and didn't return during the period 9 continued watching the area

Musicecoud of was in way incomplete suptral plinning , while the

fruit of was in complete pleurage).

Meanwhole the first of was continued his behavior as lespee leut war amon wisitors to be opposed to devoted to do nove venture leunels show down a pay feet away, they storted to malk and new though the one gethe ordered.

James quite close to a receive of pours, and commissional close to the services of the services was close in M. James, when he received to reach a particular describe fermale, he went up, into 0 and gover to a prehaps traceof is and then the Propense from the q's. The male ment on time und "fuluri," trips and the each trips was ended by atteils from armored mightions and or outlassed humands was the or went leach to his lettle livell.

Agour 9:15 Dangons for lualifate. Back 10:45.

Conclude apprent about the above weekent

That the week one

I think one can declare the fount outline of a "unal" Creating Corenian

At domost complete mi of it might be O-CL) - (U+H+) - M+ orde to riche

bead-turing - T-mg from M (thus the T'me would never to appear, at an

unusual, each iteez in this spaces). In the g it might be O-CL-(H+)-(U+

H+ and/or SS) Miss must be checked of provide.

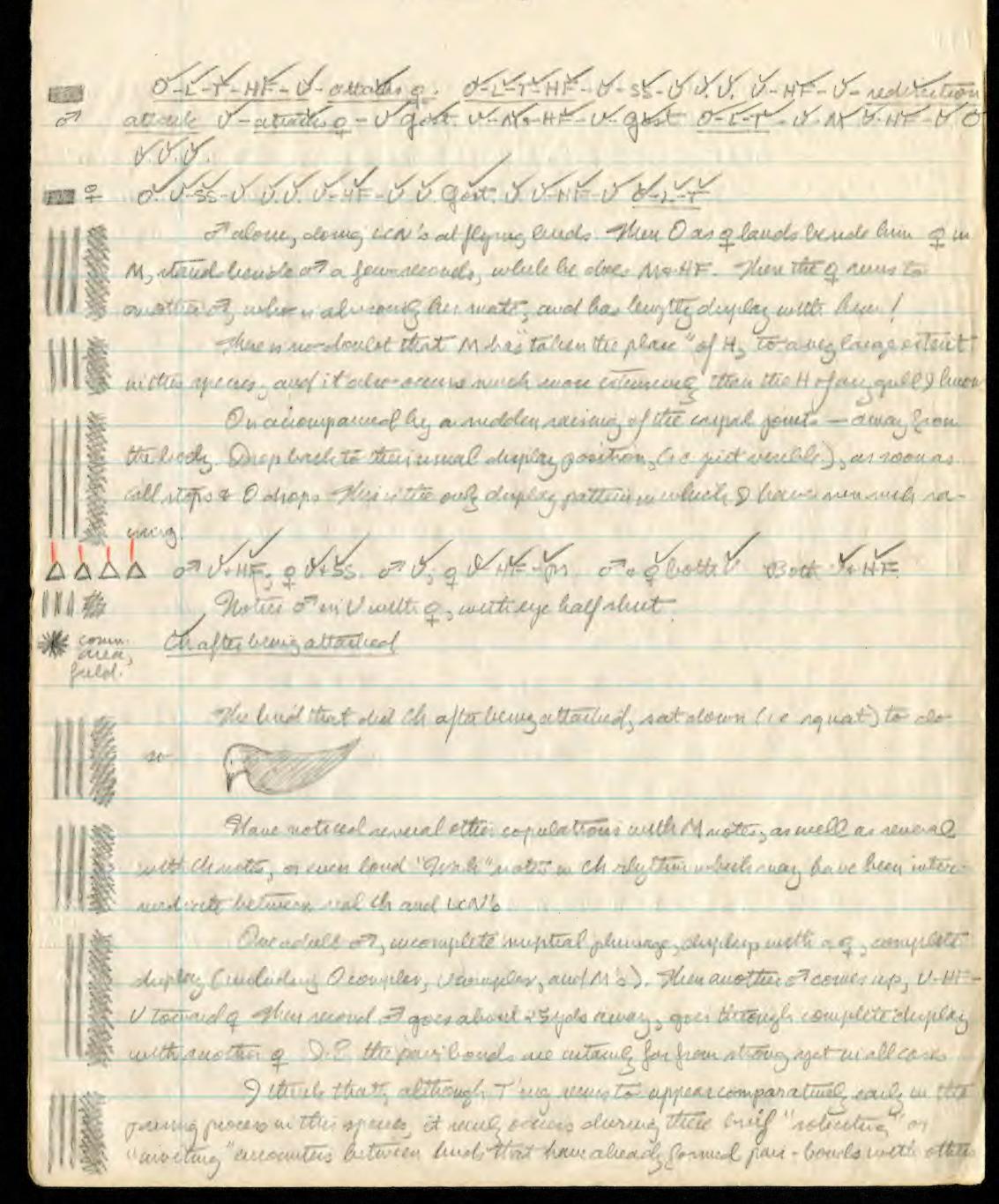
She G's before atticle I have now are vert very utualized - last bell to definite, aproved long lupon the delivery of the actual blow. There G's often look like selent LEN's, after accompanied by pre-attack portress or aggs V.

The sound of the " all tone" LCN, without the "rattle tone" could be to austribed as they are. The apparents remoted - I watched earlier this morning was back on his Verell temporarely. Grown ICN's toward Clyma breits (Checked on there. They do seen to be hortile patterns defended ducited toward flying buck - rather than expunious of frustrated revuelity). Our lived landed about att away. I let us call him A) ded O, then is then attrehed newcomer who had guit stayed in i. Outraps A already has an attachment of some sect. He middenly moter up pour adoge. Went note M, ran to a local about 1880 rivery, and U+HF, M, M+HF, M, Mnote, MANE, M etc The other had just looked at liver blanky from V Then A flow off on accordingly to The older took as if he were haven too week were * concu area fuld 10:45 (10:45) V. Volumegerage Volumes occape V-C before attacky - Vafter attacks luid in pattacked - Yafter being altoched Wayter attacke - Vafter being attacked. V-Gluforealtaire gost after attack VIV. Vuefore attack - Vost after attack - pr Missing common by one or both buch of pour during that needes at miglelion actual appear to be low intensity or "suffered" forms of volineeted hectelet provolved by mutteal prima behavior Buelappasente As lavels berelo mustice nome dutatico from his tentos Does a couple of LEN's before Causing, changes to M notes before he hands, then does MAM note unestrately upon landing, then MAHF-M-MAHF-M-MAHF-M, et Other herel just looks alect and mus away. Even though to may be never territorial in defendance a territory from how to true, be is also gone from his timber from their to true, and I wage is that he is unally deeploying in some other part of the area during their owners presents. () busin he is in rome cares) The early poising behavior I have need refor, is remarkable for its wants Confund a certain impression of "fluidits" in behow was already consequently mariations in the LE generance Musiques appears to have grate a remarkable range of remite patients apon which it can call in situations which are apparently

austre complete L.C by burd gliding near me. acual LEN can cutaing be given by lends wither oftedens or brating wings Doen tappear to affect the method of flight at all actually, the complete aerial LC. unot too refrequent Probably more frequent than in the Henry grell - in comparable encientation 8-1- V-Y- V-Y- 5-Y- 8-ph d-NX- U-NX- U-NX- U-Y- gove. X-X-X-X-X-X- B-conting 4 U.U. U. V-HF-U-pointing bull toward partier-U VM. O-L-U. U-for. and verfou attack - affinite attack any before attack I during retreat of 2- 45 0.0. V. V. Vergore attack Mufre attack 16-6. There is a few lands in completely invatine planings, (ie zuverile), en they group; lengt they are space and apparently confertity winetige 3 K-T-Y-T-T-T-M, & NOTTING 3 V-HY-V-T-V, & Y-HF-V 4 Our lived landed brevile another, not its mate, did O-L with lings more of food in its well and their ran off a smallowed the food !! Back were of extremell Wing-typs not nowed, lettrally touchers ground, (there is nave perhaps vegrare) Jail wessell Looked for too rymuetreal to boties Leanne 12:40 Encything bastron asleep for hours Back 3:15 0-HF-V-gent-V-8-HF-U M-HF-V-VF-55-V-GENT-HE-V I was a second Maryunt -M+Markente - J-ME-U-ph V-got got V-HE-U-HE- J-55aggo - V-pr- V K-V pot V M. V. Ch. - Estine V H. V. A Carlo

Angest retien one patien included in an earlier count of Abelianos or did O, parallel with partier, then posited will toward parties at wel of O just where I would expect HF That about our tation of the is a genformance townself partner. Two ween types, free to face and not by rule formy in the name direction, with all roots of intermediates. HE of course, out occurs when bruch are mon or less note by rule. and Ithril that I after and I can occur with our nort of amentation about the ourutation of other hortile or nevual duplays - I trush that their our tation is just the "conventional", we let the consequencing patterns of most other gills, wiles noted otherwise above In spett of any earlier impremen, at frest graves, that the condition of the United species (ce. "unaplit ") sugget be "privative", ne men lettle returities I now believe that it must be thousafely a highly nitualized. Otherwise one would expect a great many more of the Clas wants. M-HF-M-good O-L-HF & L'HF-W-HF-V-SS-V-ph-V & L-L-poutthe evel town aulg-M-+-M-J-HF-H-J. 8-HF-V-px 8-N-V-M-LAN-LAN-LAN-LAN-TA-V all as muglet be be expected, is unall quen in the air but our could on the ground Can confuni what I will conher about the actual of the bles Themselves securding leter large forces - this occurainly the reveal constitution . Creamount they sound a little more like Hydrocoloons, but never so much as the all yllables of There have been reveral avagor Select Caures already this afternoon. One a me long a repeated one, wa apparently net off by a whimbird flying point we fait Verfore attack - Vofte attack - buil in Sattached - Vofte except user is it is a Verfore attack - Vofte attack - buil in scalatiful is chefore attack - Vofter attack attack - Vofter attack 100-161-16 100 WA WA WA 166 6. of maling repeated Mnotes during consisteon. Bill specied dightly with each note (This is good nyporting evidence for my classification of calls the Notte " the call " a "Cap Call", which are muffled high whenset, shritting sounds

Have reen one case of apparent attempted rape in which the amounter was deprested the of a water M before attack - Mafter attack - M before attack - Mafter attack Obefore attack Valufore attack - Vafitigetteile Vit often attack y colufore attack - V afterattack - ph. M&M note. Mdurugoettack - Vafterattack - VF-13 The more aggressive M's, Those converted with actual attacks, particulallow Mangero, are not as low as the more "neveral" M. o. Horzontal nather than bill to ground V-reducationallick - M. Entrevie T from H of Relative & very rare One can always tollwhen a copulation attempt is going to take place - leng-before the event account always takes place when one or dieth partners gives a really long but of The good This is alwort the only cianastones in which night fores hursts occur. of Vigent V. of aux. U-V- rederected to - reducited attains !! of displayed to our of. Shedid O-M lunners, then VOHE, circled around Du M, etc. I dul lettle beyond Va HF They mother of nour dutance away ded Oliverness, or ruched to been in M, mutual V-HF, or ruindially ulteryted to copiel cite, & recuted of off, levels itand together in V. Mis was apparent ga care of our une wated qualitating a mater or aliquet matero. The Us given by oto of during pairing are rather riest-reclied Head appears large because the back of the head is alightly "modler"; i.e. feathers must be nearly



111 1 Buds on ground do LEN toward me; 1. e. a potential predator. apparent exception to the presenting atalement or an actual care of your formation or run thiough colony, in M, growing repeated LEV's. Hops and does B-L- HF +T (these last two abunt multaneouse) bunde two sufferent luds In addition, two otterbucts be proseducted to live - which was well Kave loon news tationer for all I liverer. you have there is neepenny lettle purely hortile deeplay by built on ground toward Brusts on air. I neouted it the surprised of the overwhelming majouts of these duplays I have counted were "wortstons" Mayor paus 6 30, set offlydogs Lookras of buils are leaving got the night & covered rengalf. deveral long-derwer warand " notes by buds flying over me. during a seried of relavation in the practic. I think there must have been the nextes; but they were not accompanied by particular movements or postularjuit pligle with ordinar wing lasts True yout watting comm. area wifuld: 6:05 - 8:45 10:45-12:40,3:15-6:30 Mounte, 285 1955 modestus autofogante Bay. M-V-HF-V-HF-V-HF-V-HF-V-PF-PF-V-M-V LEN LEN -LEN -LEN - M-MOHE - M-MOHE LIN -LIN-LIN-MOHE - U-LON: where we wanted - 1/N - 1/N - V- VEN - V N - V- gouting tred to partner - HE S-I-HE-N M-V-H-V VINE S- estape J-5-NY-W VYSS OF I-HE-KN U. O. 8-14 & O-1-W- - 1/1 M-VENE of 0; Q V+55. OUNDE gardenteron attack on neighbor, whi of in incomplete nuptual plumage, does M-0. - HT-V toward one of who does U-HF-V back and their retreats precipitately then of seens in M to another grobable care of four Sormation of their V-O-HF-V. In other words, another

should attend the fact that my counts of ot ag behavior include aslaturely few partieus shows sterring was early proving stone "greetings". There are qualifications grain by well- mated develo. There bow been several runs peleut Pource. It is so received that they weren't even releat, is lends gone LON's ("nattle") as they went up a and continued their in flight Dunie one of the garries, I heard reveral Waandagaga. " notes, appoisute occ. I couldn't as my nique of morphus or reasing notice notes went have been given by a normally flying burd (Greedentally Surporder of the LEN's wetwent nattle underlow I have liken. bearing from Time to Time miglet be intermediates between real is N and Fre The real Pec is "clean" too. and Dlave never house a "clean" Levely a line! or pound - everyt for those opposents transferral to Mustes). The fact that then Pa notes occur olurnopames, in conquestion with other widence, evollelinggest that there a ligh without gatteri, relatively aggressive - leat not our wordings now Just like the Pex of Franklin's Gill, in fait I naw a great deal of reducted agreenveners by various pairing brids yesterday, Usually but by no means almay, by or's. The obrious ago. remeners analies it carries to believe that the M, LCN, etc. gatheres, so connon during mutual duplays between water, contain a strong attack component, I have always been awase that lurals of many yours of gullo tend to gree ien's before Jeying up. In row cases, their LEN's were obrious agreening or traitile in nome seure, aut in others the appearant to be more problematical. Cill exclusion all was before flying up in this species appear to be due to " frus-DAD Gummenful worth Hat, or VaHF; q & Both West- & oloes Ma Law and then Monte as his or comes into land of renoting of copecitionent after or has mounted, galisupuraud arumal. But wither our particularly case, abunously tree to catel of a bellion hour of this A CONTRACTOR OF THE PARTY OF TH

A whale cours on his hurle alternating bouts of precuring with; HAV'S at flying buil. Quite clearly well-directed and well-our tated Their defruited ques ich a as reply to LEN's of bud flying our head. This latter is definitely not less mate, as it lands a jones its own mate far away There is another hard near A, on some holl, doing some Thing! No reaction between it and A. Then A joined by a q. as unal, I mined the approach! A closs o-- L-HF-V-T+HF (!) - V-T-V-T+HF. g does Vy possible trace of HF, thou wallis away to your her own water about 10 feet away from whow she ligo * Commana U-6 before attack - Vafter attack - M-M+M note before attack - M 17:00. afterattaile viste de pr- br- C-ck-it- Mauring attaile - Vifte attack volumber retreat its HF after attack Bloods benice another lend, does MAHT & downide to - nich turne The other huid, presumally of puit looks alert, then moves away. I releves, then LEN-LEW LEN, etc Beguisto un theorifi group in M. Reus parallel wettra record of who also beguis to new in M. Then they reparate, or continues running in M (with ourne wal LEN's), approaches third of close MaHF+SS to been the put looks about Antando, que ser o from normal LCN porture; then approaches fourth level in My does HF & SS in M Then be moved believed rode so I can't follow any more Care of Chaling williest utting down Bill put to ground, but nexten that not near out of bedy put to ground . Alufationate go Doug wine this "houd ou") Freemany through group in M. Alepped breude 2 defferent que auch Mood there each time for reveral records in M. The response, no went back to running in M. Oceanoually stopped running, and then some out of M, to que LIN's from usual LEN porture always backente Ma rumano, very dietty Thirdly came to third of Atopied beside her ded M+ HF, M, T, M. Quinertall V, then

modertus, nov. 28, 1958, III.

The female did a little running about in it, at least one T. of followed her unally in M. sales did at least one T, neveral PAG's, Copparently regulation 15 witention movements. Pill whohen grist after it is put to ground . Then both relax. AAA ON M-HF-V. QU'HF-V Gumerepel, of Ness, gods, Both V-HF-V. Truste is a very roft, plainting moderate, bugh pitetied nound four at E least, could be transmired as "Clow". We V before attack - Vafter attack Virgoustack - USS after attack - UM Both it is is or or set it is. 00 Concreteum agresis agresis There is a defruite tendence for of to I from 4 more than a before expulation IP the way Tourse and they are entant in H for more Decetter mean that the revoluciof of is is relating stronger main that of as at the stage? I thenk no Another complete & c. by buil glidengueur we, (this twinglide was app. arently not connected with landing. Bud flow on up, cricled, and then landed) I think it is rafe to say that there is a "tendency" for build to speak churcing occurl L. Co, In alter regerds, the glide is less site al git than that of frankling Gill formation of the second Programme . another Glide with acreal I to by level flying reconne we fruitely not connected with landing - land leaving your IT from M after looks we much take to of Bling The frat part of the complete t. c. performance may also be of comparabile regreficence in convection with various "tikatilealitia". "calls of stema tems

> He of After stands in V, does so movement during copilation fearing 8:40, buds alwards where for the most pait. Back \$100.

川聯

I still think that the "Iceour" acred WIN (e without rattle) may In Transfer and to Pec mote; but it is much abouter, sharpen, and (3) louder. Do-11 Till recon to be given ong (?) by level flying mean me Mufore setterle - Materiaticle MM acy olugere attache - ago after attache field " Olufou attails - Vassafteraltails M- gott & Whefor ritiels - Vatt Fafterallails. V. Gott after attacke - V-HF- &- pre V. V. V. V. V. V. (as a hostile gattern)

I think that there is considerable evidence that the L. C. prefermence must be higher ruleusity their the V complex o M. There shot the V complex of H, M, etc., occurpy quantly during all norts of moderate - low interest; more or loss "friendly" sucounters between the mountain of well-established gaves yours 2 and see relating nace so the name ensure terrees; while there has been at least one p.C. performance in all the vigorous "pair formation executies I have reen refur the store and welled cell the cases of oto seeming theory the colours M - live their their their remaining of the close together 5 The onewhelming prevalence of U's in this "communal area is one of the few definite features in which this species recentres the "lange Lovers" grills more than the atricella gille author is the pairing believes visiting on foot There seem to be lower buds account the afternoon. Does this mean that therefore is begoining more therougher occupied 0-1-HE-U 6-1-HE-V-T-V-X-X-V-LCN-V-DY MISS X-T-T-V 0-1-MIHE-M-(37) 55-1K-T-M-V- reducetion attack - reducation attack - V-pt of-L-HF-V-T-V. 55-U V M-HE-V-ON-ON VIT-1-1 NOWE W-SS-M-1-N-V-ON-ON-ON-W-HT-V-55 V. V. S-L-HF-K-HF-K S-N-HF-V. B-HF-V-Y-V-V V-HF-V. N-HF-V Should recution about my counts of and q behouses. They don't include the diglays and with "nounal" FR & regruege either. In one or two saves I Manaricenced brent of hostite duplays anounted with very linetile & B performances Bud green fragmented acual cen's before landing. When they are the frequented the councit to called rattle " - they are until polyricalise) "Two nyllables, and could be transcribed jud like the alchof "large Laves"

or v- HP-V-1-V, Q V-HF-55-V. ON V. Q V-pointing on V-55-polotion 444 Today washerdell for another reason. Their received to relating less host elity between parties than on evelus days - Toket there is almost always overal. opsints +Baudencop. allowelittle upon of pair formation or early promining Much of the precum I have seen in certainly networked unofor as its occurrence has been related for with course of evolution. It is factor commonly an. ouated with pairing to be coincidence in nich incurrenteries fourthers interrigits the duplays but more often parles the temperor end of a hout Chilat class the ruggest about it consation ?). The presung I have been counting to husty and or unrually migorous, Cascompand with abouting outsettioners green eng), but it is relation, or never, as "newood" on the west extreme "newous precuring "I have new in some other spaces. Those it at all "coremonial" Court oversteen the conspicuousness of the "running logities in M" shown by water 9 times out of 10 when they become winder reparated formationes preceded by L.C. Itwall ends, when the buds are not by ride, in M+145-Us devot then whatever duplays come vert. This number together in M. followed & M+ the is secured containts the entioned the colony at all tunes of the day. V-95-155-V. O- punding - To NT Come prembar rolling motion 11-M-HF-M-HF. M-HZ-M-W-1+F-M-attrices q-value attack -M-T-M-HK-M-T-M M-HF- W-HF-M-H-M-T-M. M-55-55-M-985- 8-HF-5-1-M. J-04-125. Included in the alcove count is our involvent, presumally early parties in which both or and a did two complete LC by Butte most LC ing in ruch a west space of true, state have new factod about the headed gulls this I a mig with some of the of was alternated with M complex a approximately entires in general But of attachasty (in new "quardor faction) eventually, and the quetreated, of followed Der in M, Curt earliture he got to be, she retiented some anow. Tenentially governo up and went back to the glace the startent from while of accorded at spot the lead retreated to Carleatt 30 ft away). Both builder 18 and begin to pieces.

modestus, nov. 28, 1955, TIL Vafteraitable Virgou escape Vafter escape. V. V. V. V. V+55 V+55 V. * command 35. Viller attile - Vatuallaile - But in Vattailed. M. H.F. V-HF- V-SS-podding-V Commence of the second Their partners are reparated, and calling LEN sto one another, they tind to ouritate then ICN's toward parties, even calling our tien aboulders in extreme of alone on ground. ground LEN's, I thought, toward fly my Course Once 0-1-M- un from m-M-2 confrom m= M-200 from M - then lead to early in the unual posture. Then a glando Bendo lem. qui vez extreme Vipero surrecous slow and cautions" HF & and SS & of just looks at her colde a remi- aleit porture Then offluorento another quelen queller with toward her relair une diality and starts to proce The was obviouily a case of an "immated" of landing build a mated of Thousand the had been fooled by his "invitation" behavior - feet as Levas. Ethis probably confrons the fact that Dum interpretty this private beliances

Jary Concitte - Steps) Is their "cautious" I complex behavior is visiting a typical of a of who mit me of her reception? Ithuline themales of the or had clone L.C. +HF -Ma 45 star also would have reported with number bugh wheret prettoms. and all the would probably have been accompaniedly or followed by now additional T- mg as well.

I must say that Dam somewhat recepted by the way in which a world or unrelevented buil swhen approached by an involcome "vinter", girl looks the stranger coldenitie for I have near this extleast neveral times Granted That This is a mon or less communal owas our would still expect a much more liestell scrept con Certainly Blig's in the name into extransmould be my hortele

another Lica glide by and flying away from the colory - the lind descended relatively iteply during the glide - looked almost lile a lowinterit mose a little with beating any There the first time & I have seen much a relatively stop descent Parico 7:00, Ceaving myself.

autofogarte Chile

annifeld a soam

Adjust comments upon nound of some calls. The second parts of the ground is a selectively multipled or plantine Orally into recurrence of the Oce notes of other species. He is controlly less sharp "than the "his out the "his of the species is a planting of the "how the record part of the species is a suffer how the "repl" Oce notes I heard once quien ly a fry might had shown a new or I see the second part of the species of the second once quien ly a fry might had shown a new or "green and part of the species of the second once of the second once of the second once of the second of the second once of

her recto Quite as extens a recome extra out as anything I have ever sun in the

Laugher grell of Franklin Gull

relatively race

the appeared to be strenged to be aught

deliting of Colonest new of new approached by of Calment was of new approached by or Calment was of new approached to meighboring of Approached of wallis down in M. The approached fine of the contract of the approach of the approach of the approach of the approach beautife to see an else of more thing mother of !! I the approach punch beautife to see according to the approach to punch beautife to see according to the approach to punch beautife to see according to the approach to the approa

07

(I.E.

on Just of WHATHE - W. of god V. of Both WHE ΔΔΔ There are quite a number of attrehis delinered without any pulini-|||繼 inian deploy ; aut relativies much fewer than in the Duca Terry The oth rem we are horing considerable transito requigitating food Sor then formales There wa just Hely quell who hope trying to horn in whenever the food starts to appear (law (close it ever reacher ground !). (37 Or advanced revuel, se pre cop lulianion. W- gout - W- Ma Marte N-T-U-T-H 18T's from MH, o 1 HF. 13 To from & M's 44 H. 14T's from H. OF V-7- V-7- V-55-V- reducation altale - V- escape - 8-55- V-7-4-4-55- V-55-V-FV Most of their buds are new temporal, in the newse that they trud toucher, and return to the more reter Covera period of hours at least). But most of Attom showing every lette tone tore of obefore. form to be content if our expressioning and mountains its individual dutaire, It is entring my in pression that the spread in aniels less any que rune than some others I have unrived with. This may become to the circumstances, (, the fact that this is a new commenced area) s land Discovedor't avatable arranced of it were due to nome relative weakness of the attack drive, rections even a weature of the internal factors of the decir. Micercape diwe never to be consequeding weak. (But, I should add that this species does not course the slear indefferent phlequater, impression that the Heran gull or the Help gull do. It is quick and active). The out walk agreement brown & bour near was A. He was defending a real tenitors out he received quite as writable, and as preve to reducet. on vent beach gullen's quelle and Olach headed gulls The above the portine warquite the "nowal" lance type Productitled, legs one rightly bent, neck nowen but extended, up & down head mousements

111/13/

There is their evette a "normal" Che gattern, and a the Aquat. One nattree energented agreet of are neveral energies of state inpreces es the may in which the I's near to be rusely brother than the q's on the aways. For a region I house seen of is evicting a is the of is in the will alward countant Thing, the of a unwill in U, with ourserval 7 to, many tit to and Es a surt little retecto. fuch go usually start to new owner when of trusto mount (There wilderto almost confum Hobbe Wirm 5 there that the or has to be downaut; a hold his broad regles than the or hipose copulation in taleplace. But I have also near more apparently received copulations in which the & definite had been bead higher than the of iminalenter refere mounting! Repeat - many - it is no common as to be perhaps unal. But ruch four les are reldon on resus un extreme y with Much Hit Game 854).

In The some cone exclose of nerved frightened and retreated or fline level when ever the of trivito rapidity the of aligned off we extratity and leaved anos as in remindiagonal sens - My estures ground reported Muster.

conne ca

(fatte note: new this again new to the of twick to ment of forward be usual when one ments to mount and the other monto permit it, and yet doesn't everye).

There much expelations are presentled & interior mutual T'sig. but the out their one new the of Tab verily nevel more than of is always FR. Then our new die of deing many T's, often from Hor remi-H, also was pecks at othe bell a treast, walking rapidly backs feeth in front of of in even around and mule the or struct in U, with occasional HF's, gruss low witerest vidications of exape audio reducetion oggranmeners, does acceswould got , M's, and M + M notes, and frally less M+ Mnote a requiges

There very well the cases in which the & is revolune is relatively iting. er than the d's and her houtile dunes Court or gruficants, the wape dinie) an relatively weather Correction To now thing I now teal in taday which may have green a false corprensess. I have seen a runder of other levels becales A which were noticeally agreence. But A wastile went where care. action of reducation attories are found common change ends pairing. - Well! Well! Hell! Juno aura, abunous pair, walken around one another with wells may To , Corrected in each care). Then one the to wound other. Walled around with, ital I may, with bell feathers fluffed! Oceanonally up noto is, moling low-interior come ca over particis e utterning M. Then structs in V, naires a manes mings, fluffs out all feathers as during constation utterafew notes of Cop Call. Makes some mon altempts to mount Mei was definited the of 11 The of pirt reliented in H, who were of tried to record, their continued I from it of fruits constated twice on ground !! The of grit stood a leaked! Then the of mounted the of very rapidly wellhout an preliminar duplays. of ran away in V enforce he could begin completeen sound then both level welk around in Unit or Se. O'class of tast To- presen. Pan flying of in pout of g of where defruite As note in our Then granland of goe into M investigately and mutual shiplay occurs How pit hered reural other Mnotes by Jegung levels. Huce on four burd flying 15 or 20 ft apart. Hew linds didn't land. Matterattack Gotbetweinattack - Vatt after struck V.V. agy Verloss attack - When attack any very wellache water water level in Vattachers

ver-ren-ver-ver- good during attack - Volume tour Volume rete * comme of gott-V-55-b q V-55-V A There are colland as man, bud's live this morning as there ever were. The retting rolling can't be any more "occupied" than the day I arrived Francis 10:00 - luds general actors Brek 4:40. M austra acral contented begins wear me, With glidagen -They notice a buil, of flying wound with fact and deep wing beats; elight buoyant fle fet totterng Occ notes. "Doood-our" " Kuesca onbug drawn - but not past culary planetuil - less planetuie than the record part of the ground 20 Theolive land soudit wolveres that he is pairing. Prins descended in M. Open several Let , O - dight & thout. Each Twie be green to a grown toward him (name female earlitune). The new in My ques it from At when the yet o wear live of stands in it as the reaches being their necless off in M cegarie, grees recetter LC agreen when hogets 15ft or no from the of the approaches in Magain, et etc. Repeated it least 3 times. Then After of again & mift fleget with deep ung leate; a good deal of twesting & turning & circling. but not capielly enough to waterit really "Sometic" Calltonte quit about as entireme as the semi Euster" Jenjuto Dhouse countines noticed in the Scheit: (Powers of the species). Ques repeated Pec notes, lear "Recow" LCN's, and all rout of whowestirtes, all my napid and all routs of wite quadations (Clear evidence, Ithinks that "Recow" LON's cloudy related to the Occ.). These far away, still wiching turiting a turing of Juria does shallow glishing sample of some notes during There Probably gave ace away for me to les sure. S unoaps, but howar too for Just love the of withe dutance, over he docute seem to return for neveral minutes

Quetter avail LCN with glide. Bud for from me

modertes, Dec. 1, 1954, VI

There is little doubt now in my wind that "Freow" acrost LEN is English without than "rattle" ained SEN, and that the Pet in buglis without stell. Both probably contain both strong attack a escape, Cie arraunted mette hotte surcep and felent Paine - gruen le Flowering care privaing itage) 100 9 8-1-0-01-0-01 8-1-T-V-1EN-M-HF-M V+HF+55+HF+55-W-1047 b grow 2 M's, 5 H's 3 NF's, YV. Sud all counts 4:00 auther had, not able of guing the notes during lette circular flight in course of paving, Awal, un-emphasized, flagest, no netualized or encural parties or movements This time the Occupie were alternated with "nattle" LCN's There were more and more glide with denal s. C. There of them given by lunds near me Does the magget that the arnal L. C. is more or less aggressine then the arrest PCC and related getterns ??? Mese unscellaneous pairing behavior fust of all an apparenting rugle livel, cetter wall of or o going from place to place in the color . Vinted eight places, 2 of their twice, there so vinto in all. Thad sensu of there on foot; cetter walling or numing in unal locomstor porture, or walling or running in M. 3 muits flying. Gave countrat rattle con's when flying a number of rattle ICN's when walling a numming. Sovertunes it stopped at a place not were near any other level; their stood, quing may repeated LON's young wite remi - cling porteris for early LCN. Gratical that the fartherin of the nape and upper neck were slightly suffled, zwing alightly certical or egg shape effect during reals There riffled feathers deobed rather like grey webet) One gave O brincen EN's. (Ithink the feathers were also sawed during this O, and all or work of the O sof atterbuck that I have new Men news to contribute to the pendiar gestall of the D of their spores. Fools long-nicled for reveal reasons. There is thickened, and mape feathers raned, so that head looks wall because not represent by ventile

demarkation from the rule. Same thing true of his M. Thurthe "egg set" is present at least in the enral forms of v, O, & all low obliques oluving prevery I it is possible that it is not no compriseous steering the forms of the same patterns, particular, the forms of Women during pendy hostile encounters between "territor owners" and neighbors or entiridees I). Three went to places where there were other livels, one of which was defruited the of factive grain Dul M-HF to this of U-HF to the other level Must of the pay just allected the "enveting level, the other buil just looked coldly at the "enveting" buil The winding and fuelly went to an 11th place, when there was still and their wed, parely of ded U.T. HF and whered

This approved to be a case of a remi-materal level playing the field

while ignoring its roote for acubile Thou pairing. of landed, of landed bearde him almost surredistrets Both luid U-T-V+HE-M-U-pn-V-ps etc. of flew off, landed; gave ICN to Then of form to join how, Carded new dutance away walked to live on fort To greating was 0-HF-Voupler of just did Vampler. Fiftew off, 9 followed

Much trusto organize my thought about the gaverning deeplace, even thesugh it well be expetition of a lot of staff I have written before There are aboveones 3 main elements: a) Vecuples, b) Meoniples, and c) Len Occuples, from to take them in sevene order ... I. LEN is always, or always confund to setwations in which the water are reparated or an apparently cumuled This deplaying by bruself, The notated bud que repeated LEN's Count prequently and very orouge green by the of even in the case of mater pourse) calling a potential write or the actual waterto its ride. O's and O-L'a are occarrounded with period wett there ICN's - appear to be a lighter interest from of the ECN'S LON'S viewer (9 thouses) occurs after the water have reformed one another or a q har come to ment an unwated ? O's and O-1's doacqueuer. They are their setticithe civital "opertuing courses," or follow quelle after a bruef V complex or M complex. When relation occur during the later stages of elaborate rever of greating duplays. He O's and L's that occur

as greeting an admost always construed with HF monuncuts, sometimes combined with 7 h 2 and 3. Monaples and Veoraples an much succe. cloud connected fourtures appear to be almost interchangeable. Both Mand Veanbourd by a level moving through the colon in an " unitation" walk or run; but the Mes was much commoner their the V Both Moud Varie. medas "operting" when I a q come traction. The M mull appears fut, or, at least, is concentrated toward the frist part of a reus of great ing duplays, Cit is aften portentare comprisions, for without, when of a q run toward one another put before or at the new beginning of "greating") the one times M's are unally conspicuous toward the end of a series of greeting degreen is when the greeting is followed investigately by pre-cop behavior Greeting Mare unall relent. The unal order of ruceenion of M's and W's , in conjunction with other widence, moved inggest that M is leggler internet, than U. Both Variet M are minally accompanied by HF and SS movements full mountaints are probably however, commercies with the V Both Mand V our frequently accompanied by T's [much mon frequents Thom O or O-L), lent again I think that mely movements are connover with the O (at least in the case of q's) The O's are very frequently accompanied by rapid and migorous mening monements, more ments wheel are certains "repulicant", i.e displacement". The only atten movement occurring with M & V that appear to be rignificant we point me and got and I reall don't hum what rance midabout

The whole of the new accided early gaining behavior of the receives some services of the Langling gull as described by 91 & 91. Previous of the Vicomplex appears in minitar form at minitar times in the two species some of the Vicomplex of the Grey Couples comparable to the "paveing charge." of the Langling Quel. These important, however, much of Micomplex is strictly comparable to both the "pairing charge." and the "freducy charge", Cavel in addition, of course, the Ma Micheles is strictly comparable to "freducy.

111# charge + sex mone"). Leaving 7:00 p.m.

dominicames

autofogarta Bay

Have been watching a number of Help gulls neg cannelly in the

Miere are often quite a number of there levels drowed (up to 15 or 20). More than a third are juis. A few are almost adult. The rest are

adult in apparent field reuptial plumage

Mus species looks like large, heavy-bodied Henriz Gull Swall head, heavy bull, large and long body, but not my long principles Bill is usually largest clear orange yellow. They way from greenish yellow to rather height orange yellow (with slight orange yellow (with slight orange yellow (with slight open yellow). Indeessede of www.gaite Muture;

(por wall as in Purg-bill), Indeessede of www.gaite Muture;

Strong black or white.

Those of the solute one obvious party mated already, ever I have caught a few obscure glumpses of early pairing devial "visition" lile that of Hering Gulls in Virginia. One mate joining the office on ground, and then M.C. Prend on ground does L.C. before mate lands, Then multial U+ HF.

Now for the various patterns Call aduct when otherwise moted).

Voix of this species is motivalez deeper than that of Herwig Gull,
and, suspecies y evough, "hoarser". This is particularly time of the L.C. and
L.C.N. The Mand Tealls sound quively more litie those of Herwig Gill. In
any case, I think their all the sounds I have beard so for can be trous—
in hied in the name way as the componding notes of the Henric, Jule

三大学

aerial LCN's are quite common, although perhaps ben frequent Cers frequent than those of Belcher's gull Deep, rhost "Kesow" or "Klios nounds, Quen from the unal wenterelyd partures Opound L.C.W. rounds the name foundances gracin from remi-Vos remi-O, but were often accompanied by brief HD monement or whent Lou movement, (quit also Thug-bill) Complete L.C. ougheard on ground. Open from remi-0-45-05 or more frequently, from HD-0. There notes, earlient obvious oul a eleget modification of sen the or two introductors notes with remi-O. I don't know how may notes with HD. 6-7-8 notes, getting weak. er toward and, and regett water a deeper in peteter with O. HD parture reuch lette that of Henry or Rug-bill. Onwel lile that of Frening. quite low. L.C. o green toward flying mate. also toward strangers or intruders who come too near, Courtcoulant on some of the smaller sheries - the only places where there is rouetures a Cerif violication of real "territorial defeure) Juneale LEN's, which are occanoually grace le glying lends, round juit lette those of related speces, but again on deeper & houses M notes are quite frequent & lovel Opparents intermediate in freqwere between those of the Henry gull and the Ring- bill apparently always ducited toward the mate Calmany by the of?), or, at Ceast, quen when the morte is present. Of men from M or regurge (i.e. broad to ground) prostuits M notes green & leath levels willie on ground. (I haven't caught the to land). M note strelf is a planetive, Cong-drawn "Kree-ow" or "Osoco-Tand FB patterns alie Henry Gull. Have new out one require by on, and this was silent

The V patterns also seem to be just alie Herring Has rome

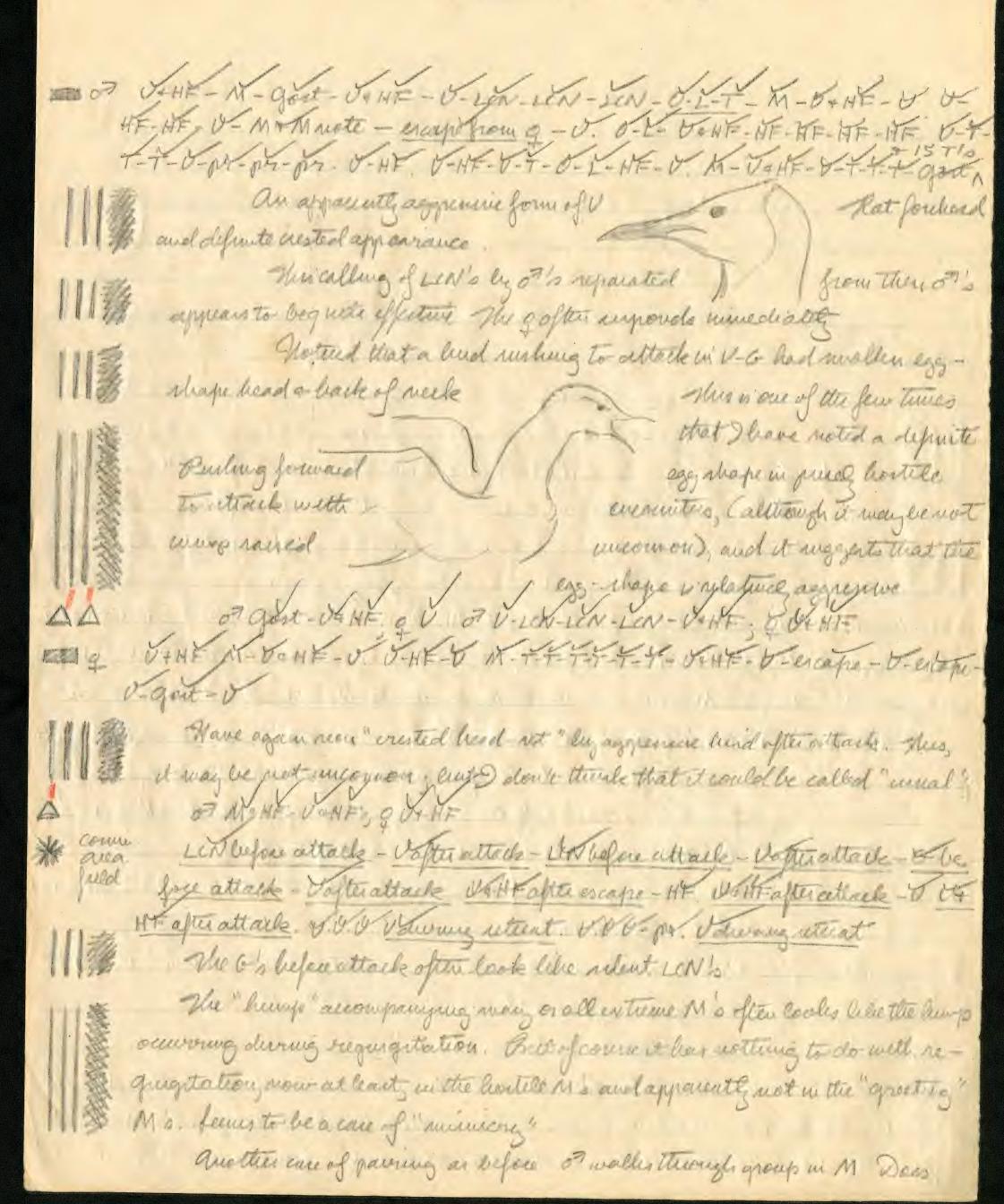
Il sort of "aggressive head-set", with bull posited almost vertee-

I haven to seen any trace of returning clasural porteries or move -We went, or augtting lelie a justil fleglet.

- other of lever the to the first December 2, 1955, modertus autofaganta Bay.

THE RESERVE THE PROPERTY OF THE PARTY OF THE There field to:07 or ner Pare by a gain of breads who dow't fly up, even though I pain by with-I a refer of thous they not put stand in "clamposture" and give all " The I remportant thing whout the windows was the fact that rome of their altis I was auric than This syllabore - one at least, contained five note all notes Menson the wine of the por the best year to the fort ago V-V- affer V = K- VIIF ago V- redunction alterle K-V=HF-V-M+ Most ME INVENDED AND WASTER GOLD TO TOUR TO ME TOUR THE ME THE ME OF THE STORE OF THE ST * are Hefricktack Vaporatorick Thefore attack got after attack got to fuld during retreat Obiforeattacks - Vafter attack . V- Obifor attack - Water att ack - perfect liter - Vess ylufor attrile - West after attrick O on HETTOS PROM AMINIE HIS & US WHEN, 25010, 34 Jacts, MAG 1751 Stom TH. at from of 19th a hory 3 Hos 14F 40To, plus 1M, 18, 10 06, 12 NE's, desig 2 gonts; 14 T's, from & Un; 17 HF's our reducations attack or neighbors! at spon is 12 T's, No, 145. Moreo more glieles with acral LC .

Varing a limite behavior of of pour ruches up to thed brief does M-VAHI-U. Thuist land does VAHE-V. & invate willesup to other whof q, date M-VAIIE-V Q VIHF-U Thouall there bustone standing vill - then a attacks thend black



extreme Ve HF to one level, who graded news away (wi dight V). Then of Mands a minute, grave LCN's from news -V. Then news on again tot another lund, promoted another q. does V-VF regain. His bud responds by graving V-HF back of quickly does T-O-1-HF-V-Telt. The q paint in the 1 C perfermence and quies warmous V complex displays. Missines obviorable a case of a of solvation one q. gelling the wrong expense. Just the going out to robust another quaid getting the right suprouse. That exists the right response??? Certainly past of it is VeHF. Do gris that to gue Ticho as part of negles response??? Bestaps, lunt I sent that a diverge or even often These third lunck on the: !! an i c is often past of the neglet response; but it into the new furt past. Dam becoming conversed, in fact, that the LC is alwait never the install resultion of either hard during an early pairing qualting - provided that the exact specting closes to start wint the levels have come close together.

Some required by M with Just naw our care particular close of protein and a companied by M with Just naw our care particular close, the of showed
we required by M with Just naw our care particular close, the of showed
we have a the q their became aurious and retested precipitate revised
times. Cill this reggests that the of deer to give M note unless he has found
whougheather wateration; so M nets is produced by attack and except
dense. (relatively stonges them their reproduced for producing maple M
without call)

Newwy 9:00 a.m. Back 2:25,000

or westerned as such some soft But then be open then western he terms to from the and goes with M.

of the T, wite the send - u, hen "crested" of sloes nothing montand in nather any v.

down a "crest "ransed, after attack. When growing LON in flight, the lower bell appear to be greatly lowered, and the upper well appears tolupol slight rand Misspellwall putt an optical ellerion hvet of must reflect nomething real aural & C who will tall unde open, loud wand blo geomente lowered, but neck is stilled forthey still straight forward tall appropriate be little ritualized U-Glufore allace - Dapli altack Obesper attack - Vafterattack - Maple licenz * aren attended of your age unfore attack - agrafter attack voloceattack - Vafter field attack Malefore attack of the attack - Dette 110 16, 10 16, 10-1- 16 HFb, 3 Mb, 800, 3 Walneston attacks on neighbors, I good, 4 per to MONE- WONE- YEYEY - D-MONE- WONE- WONE- WONE-D 1 19 1 19 16, 10 Hb, 10-1, 16 HF & IM, 80 b, I reduction altache on marginous Money, I good of the b-escape- of or MIF - Just To escape to or to the pr Waltering parming believes between the members of an intenting pars; Greetengar unes, then both buds begin I may quite negocours. Despected a cop. settleget at see mount Each level mode & reducation attornes, with mose Two in between The or made no caller get to mount; but made uparted regionge int. ruovo, and fruntly actually requisitated all tites conveyed the impremon that the of Cand also, probably, the q) had a atrong sex duise, but the remaining hotelets warns strong that the of rimply couldn't being hunrelf to enounts and this regurged instead Peguigetation appears to be a litital "intestitute Ouplification of rowething I med this meaning, wicon it about prove to be numberedring O-L performance is often the untial stage of greating after linds bane run together in M. but I done of this is unial " Cie of it occurs during an actual

majority of sung greatings).

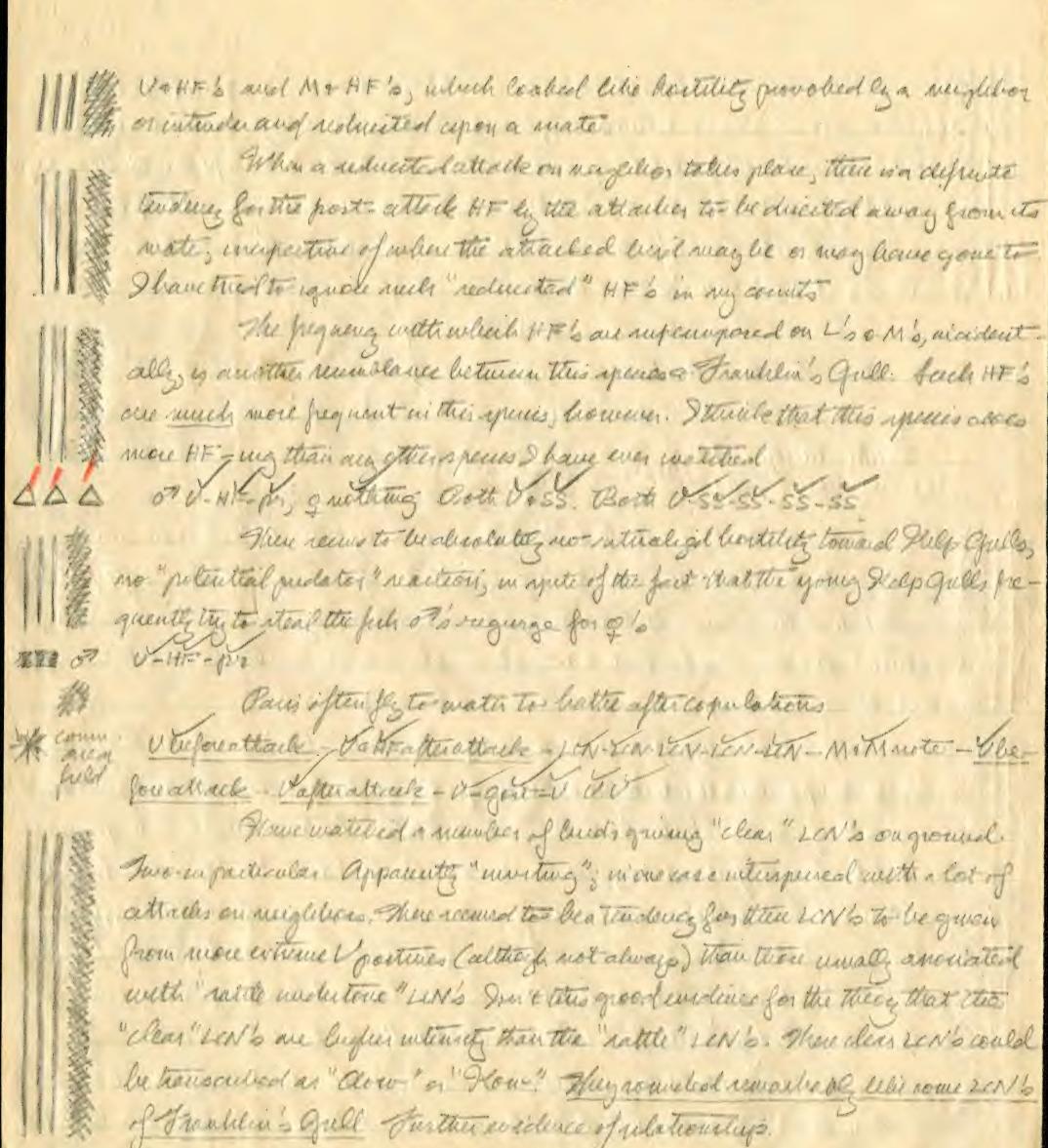
modestus Dec 2, 1955, I. Back view of egg shap I Then washameterette shape to the hand = week during V Calso o to nowe extent. Helle is their a long (work is velocafter long as never really total from role were too) and the greatest thuslines, which alwait appears to be a slight swelling is juit believe tite maple. Therewall constituted with "segs "who per Confries. Late of the are much longer recited ever than the aux sets in Action position I chan-ai da Printella

this rout of dung

requite connon

Rollin lillis rouse, of the connon

and prostures of them, - lule Court Litt plus ghole followed be my west fleght, rapidly beating ways, well now twestern and towners, wither like some of the neight flights) have seen in the Oct's or Emocenteurs be not regardly felent Pourses. The whole performance and at that is ligh entered as the new Carnel PCC's with out tevograph toaso I should exist a good 25. To of the setulatacher that there place in the group Court attacking is a turkly quite conver) is reduce troubly our is be the bendo of pair, provident bruve or less completes.) by the presence of the parties. allotten forms of attribuses on actual application of an intender or realization action with a neighbor, seem to be expressed their our remarkable in agreemine. duen un-livetile repeates except durana governo. Explant willy Shave lived difficulty ofthis ore desent counts of un endonested hertility. And even so I have perhalif commented reducestral hortitety by montable. I then I that the display associated with attacking are much the raise when the attack is northested as whom it is direct. He or foleference I have, rested without M's before attack me relatives commoner when the attack is a reduceted one. and even this olifferences of it does event, is probably alighet I have now alisolutely nothing, with the possible exception of a four



I thenk that it can be definited rand that this speces has a relationed, weaks attack dince annels weaker than that of Franklin to Quell or the Blig One presences that this is constated with the fact that it soem to stay in its columns were owner.

Our thing is noticeable about the arnal sic. I have only beard it givin by land flying low, within morning or man other bushow the grownel. I have never charact it as in four of brothers intruen fly unglands. Of course, I haven't al received trees develo Japang in flockes the rivay Delect Franchism's Gulls, lent D then be that the across so much still be relatively race, at least, us an "cuttiacoal gatter. Ochter en hances the impression conveyed by the appairent abnever of present flegets. There latter west be at least relatively nove in this species I be one were farter war cours of sugarous reducted hostility during paring - when Blig's and Franklin's Grells would gursue like mid- Its there to be any turn else).

a burch of apertal select Bames a 450m. I levels premably getting ready to leave. Statue that as the fleches got up during the frest four success of the fleglit, that was but ultered "Whop" or "Where Wheep" or "Wheep Wheeps Wheep "calls Knich slower than usual all's. They were probables however some medification of the ale. all'aslowed downly vetere item of get trug up and wite napid flight ?? On modified by interes exaped un ?

Bud come Back 7:00 p. m. lust Decare

The was certainly an extremificiallolay!!!

Lecundre 3, 1985 moderties autofignate Bay.

Che we fill 6112 a m. Speed meet of mouning steaming Heard a jun herd flying, quie complete & c. Essent all your lele their factuets. He real "your "qualities vaice Perhaps a little wealier, Concarying of court trainete in a factualty. I begin a live or deeper a boarner than their of adults.

Back 3:50, after watching terms earlier in the afternoons.

Have been paying some attention to M note general plying leads. Have been them accords twee by lead of figure, over colony, above and moderate; but the bright. Here was have been directed toward a water on opened later. There was these had sweet leaves, these had sweet leaves, there had sweet leaves, there had sweet leaves, there had sweet leaves flying printer by and away from the colony, que complete i.e. > M note > M note. All mall, there is noted a water to guite as much an reseal pattern on the according to fittees opens. But this is still no cloust but that they are much rasses.

It is very empression that their levels, in their executions at least, ales each war attack of white their of ides than do- Franklin's Crells. There is always a defeate flying up which I do not remember our my before my franklin's Grell.

The flying up after the said of the globe — a flying up which I do not remember our my before in Franklin's Grell.

The least quit expect or fly certain from human beings a dozo. This's curretter and a rection of the relative weather of the attents of the relative weather with every from the colors with expected Rung liells would entered on the colors with every liells would entered on the colors with

00 21 21 7's, 1 My + M moster, 3'H's. ETT'S, 1'H, 1'HE WHILL, TE GT'S, I'H. ST'S, I'H.

09 24Th, 3H's SITE, H, THE HE, TH. STO, TH. HUTO, EVE, &

MONTON MONTON ON MONTON ON THE MONTON MONTON ON THE MONTON

Just watering none interesting paveng lubances. Escutively the rame as the stuff seen before. Out more attractified almost a classical evaluates of a germa together, also MONE - O-L-T - Min both in V-NF. Q news away about 15 year, stops wit. of news to bear in M, H= who begets there, then V a H++. Q just does V plus H++ Thing of news news jugaria. stops. I news ofth his with, H+ whom begets there, then VoH+ Q just V a H++ Q rems away orang, and the whole procedure, it remaining away followed by V's a H++ b by Q and remaining of the Q in M gollowed by H++s, V's a H++ b by Q and remaining of the Q in M gollowed by H++s, V's a H++ b by the repeated organia again (14 times in all) - Then Q been away.

There are a few frontier points to be noticed about this requeres 59 rown did o-t after a left him & one did 3 Len's after leaving the of, when he was slow to follow her!! I is running away was defunty escape want of the true (probably cell of the true, but I couldn't always be sure), preceded by a relights our type of U, and the new street are entires rapid and not devected toward any other lived. The porture in which the ran, however, was rather free where probably commen was of the Cont I just have to pard enough attention to it V, long needs, their needs, algerty areless on top of needs, premaps alread the of mega " but my slight, bill pointed strongly downward. While whole thing was a pulsaps enclined quite strong forward. The whole thing was slightly remniscent of the Operation of the below Guld. I I won af need that I may just possed from called some portures - I like this "agg " in some of my houtile counts. In my care it is no number to the "ag " morphologically that it is obvisen that me should in make my destruction between I'm "age is " in anything ees involve nough nother counts. I The actival porture etally a much lelve the parties through which a lived panes when giving an HT with a strong stowyward component "). Their contains one of the few relatively mon-aggressive portures I have ever our in which the bell was posited though downward Recurred the whole agreence conjunct of the pattern was "expressed" in the bell right, the reit being "peine "escapie.

In case I forgot to mention in before, this of mining away from of to be followed by or right away or after a few recourts delay, the whole proashow frequently reported, is not uncommon in the group as a whole. I have near it in a lot of pain the characterities of early paining One lived of more particularly vigorous and LE, during very fast glule (but not vegettep), had red a head pointed about unword at the end of the L. C. of glade = - There was certainly Ven long o devolvelfut The acreal M notes are given from the name porture most remalit. and many acual LON's are; is neck statetical forwards but bill, head on neck enertially be rejortal Wave just heard an acres & c. Jollowed uninestrated by one "clear" & c. N. This was was remains cent of Frankelin's Gell. There was certainly no tike of T" with this LCN That about orientation of mutual T me before cognilation. I fuce of I face with his dense vicuous and he tree to got behind her Thurself mounts from believed being formand, but by no wears always of frees of heeps treung to face him when be true to got behind her switt ale is ready to let him mount when the stops turning. As I mentioned before the martial fore-to-face T'ing a nometimes accompanied by a little , very lines, "billing" The a wall takes the initiative on this good I think it is probably connected with FB But I have just seen a of take the insteading in belling. Have guit use of an in which of appeared to be slightly lugis than of (Law pretty rune of our identification. The world of fuit fed the q, then wountsurpruse! Twowler why I are nor lettle acreal " pari-formation " behavior these days. Is that phase object over? Leaving 7:17.

autofogada Bay

arein fuld 6:100 m

Portie as I walk by that there is a or retiring on top of a q , preciously land part of cop attempt; and both burds are uttoring a news of "clear" LEN's, " Close Crois a our Clow," Both burds in Von remi-V. Then or tarts cop.

moreweit, starts Muste, q stops calling.

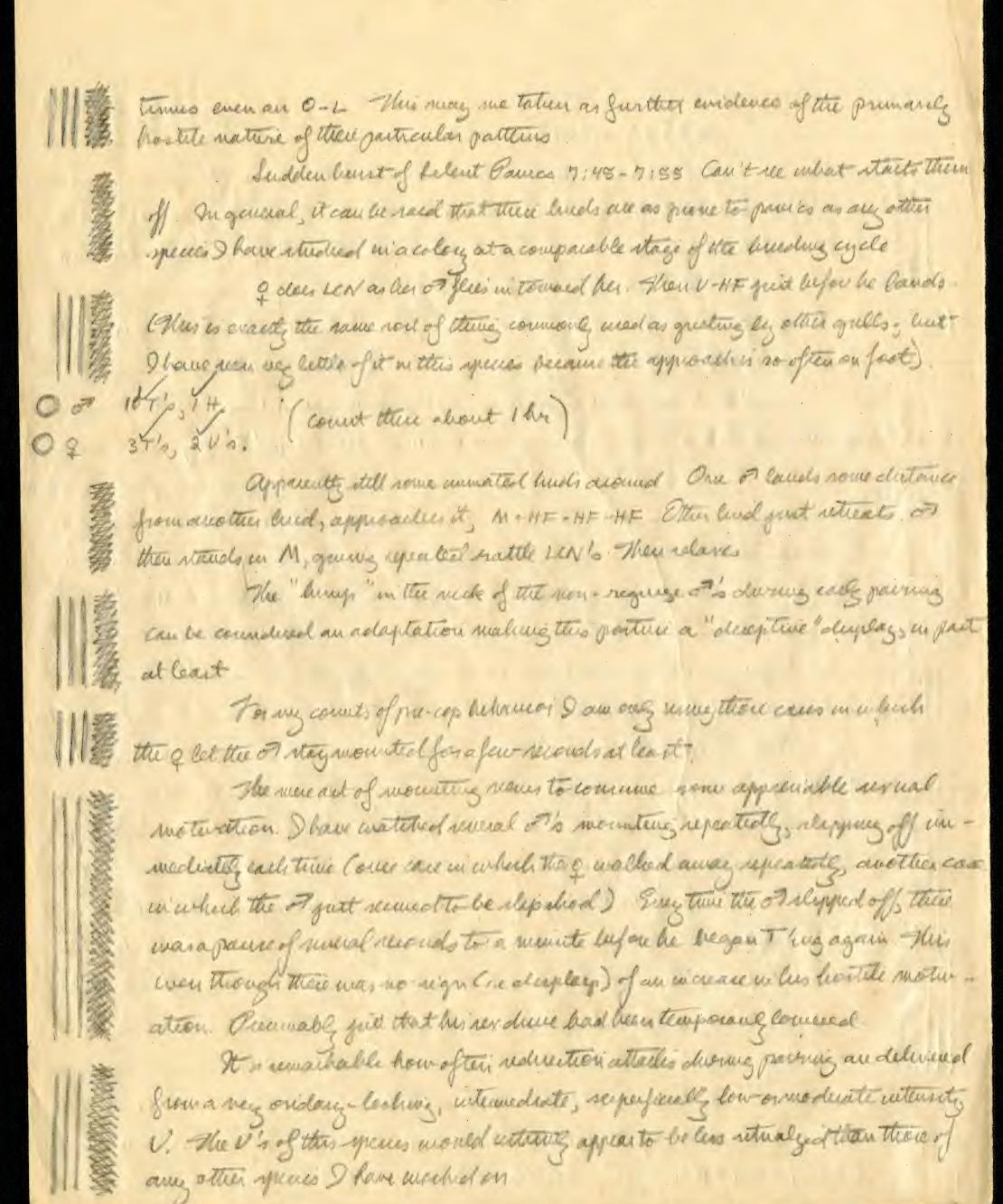
Welow attack - Vafter attacks . Hafter escape of theforeattack - Vafter attack

I think then had are "tentonal" in one reuse at least. There were to be

pairs, in the same mage of parening, in the name places day after day.

Thete or neveral behavior. It is very common to see a q T'ing from H, quite regardered, observed, and well or while of is in V, observed, "newows", occasionally making redirection attacks, making occasional M and requires with or without M notes. Then, as noon as the q has eaten, the reles of the series are prouted reversed. It is the q' who begins T'ing my product from H, observed, more "relaxed", and the q who greezes note V, becomes verily "nervous," (If the makes induction, attacks, she untill makes their room). This requesive my great reveal things. In the furt place, the approximate of "nervousness" is probably produced & an applicably attoms attack divides well as a strong exam divide. In the record slave, the art of required to make frelatively or actually to makine copulation, it appears to release wine sent of "emotional block" at two private copulations is pre-copulation, behavior by the other with frequency the thirt of probably produces its effect by reducing the health divides the recovery the health divides or recovery glite that it probably produces its effect by reducing the health divides or recovery glite that it probably produces its effect by reducing the health divides or

This quite remarkable how of the mated level, unally long patops almost always of is, when reparetted from their wester, well do a bruif "curitation" duplay toward nome other mearly bird (S). Hmally MAHF, not whegenesty vortex now



a consens tuple copulation a otona of ou a &!! 机機 Leaving 9:10 Back 3:45. approprient care of & meeting a mated of I dedu't calle the nutral approach When I first exched, the of was in v , g O. The otaltached her welcold before the funded O. Then I renowing a fact or son with levels HF'd willings away from one another, will Then of welled rung Both linds began LEN-ing I started to make a few approaches toward & , wet their west enter in and ran to your austrus &, his own, who was running in M to meet him. Threed that both of ourly, in V, before cop attempt, were "certed" allo as the news-V a the both sometimes around during interest of T-ing. freely this are ted humans con the remail ? Court be O 2 1256, TH. 24 Tho, 3Hb, 3M's. 416, 14. 45T's, 5M's, 1 MONIMENTS, 1206, 1 0.4 ct o, igast. 2476, 300 476, 14. 3276, 14. 3276, 14. 1406, 15 HF 6, 358 6 1176, 14. "Have just heard a Syring level with most perulear LCN's " For -what Fawhat " With rattle endertone, and obviously a modification of the norther LEN. \$ LEN ; but defently pringle bee . Rattle menter, novce "hourser" than during ording (5:00) Museu attack - Will after attack - Whiteren attacks - Water after attack Ulyon attack - softe attack Vafte being attached Mafore attack - Wafter attack WWW Mules attack - Vafter attack . V. WAHT WAHT after attack. Muface attack - brefter attack. V. Wat you being attacked Must stress the fact the V's with feather-sensing, at least the extreme found of them, are relatively very rare. He extreme assted " " " 255" forms are memore than 7-10 To of total U's, at best; and the low interest; evolications

of "cog" are difficult to represe from ordinal V's).
I think "egg" V's are commonent with the V's + HF during meetings
questings between mates

of "crested" and "egg", somewhat commoner, Ceypourally the low-nitensity form

There may be some tendency for buch near me to stand in it and atter "Clow" LON notes. Could this be the equivalent of the "ground Pec "of Franklin's Gibl. These chief ! (fee reference on environ slay, in which I thought there "acin is might be sometime else).

Yes I I think soi! Just Tweel experiment of walking up to the group new down. Buds went into Vor alaun Portine, started to retreat slowly. Also green definite builty "rattle" LCN's, "aow" note, all norts of intermedicates be-

tween "rattle" note of "Clows", plus a whole hurst of Ol C's.

"The "Clow", of course, is quit a type of "clear" LCN My expensed way into that it may be a relatively logh wherent, LCN, and relatively now aggressive,
wit times at least It is also not deminded in quality to a brief across of the "Ground the
call this makes it almost certain that the "acros" is the howologue of the "Ground the
Uniform altack - Vafterattack, V.V. Valuring retriat. I Informattack - "to

Majte exape Virjouritaile Vissafterattaile Vafterattaile M

angle of wwo during garde

* comm ; fuld

fulet

VallEastack

Can confirm the but about the "Clow" note. Has occurred agains a cigain when I coppress the briols

Leaving a 150

Autofogarta Bay

More continued wateling there bush from two to time; but ander

of the Henri Gull Body is remembat diagonal, breast up and tail down How out heard round at quat dutance; but it recurs to be the usual "Klive" thing

Mutual Ting before copulation attempts.

111 6

Theren't heard the round.

The V porture recurs to occur in the usual circumstances, it before and after attack und except, after copulation, as M.C. I am not sure that the lived has a real "aggressive head-set" with bell pointed through downward. Most of the attacks I have seen have been delivered from a pointine much like II. I is photographs, ie bell how, outal or inclined. slightly downward, for head wee flat — so that the head looks wee nanow in front when rewelf from the rule, The feathers of the back of the crows appear to be relatively long, and are not flattened, so that the built remed, when aggressive) appears to be almost creeted, (although much less so than I raublin's Gill or even the Grey Gill)

Mey were minter in physical form to the attacks delivered by broaded to Grey quels — except for the fact that there was no bill-opening, no G, even at the new moment of delivering an actual blow. Does this weren that even there G's of other quels that I haven't been counting as alsopian, under the impression that they were "pure attack", one really rome what ritualized.

There is no doubt but that this is another species in which V's are relatively very common.

December 4, 1955, Autofogarta Bay.

Then has been a large flock of there levels, in writer plewage, in the bay here every day such I cannot have not very active; and are nother Leave and one nather share from the former, lust Thave waitited them a little they show quite a bit of rother low-intensity montualized hostility from the to time; invally when the shere are crowded and were birds are trying to wedge themselves in The unal jabbing o-pecking, next well orientated, delivered toward oppowent.

I have non one pomble care of a low- witement I with weit

racied.

The only display that is at all common is what appears to be Glik The call itself is a Kann-haar-haar. It has a definite "ratite involentine; a sert of evolving of "R"s indemeath. The inclination rightables are pertraps register longer their the individual Glike notes of Frauliliu's Gull I baven't heard are very long louists of notes; but it is my impremon that numeding notes tend to remain repeated of the had and week. The neck is usually stituled forward during there movements; but remetimes this stilling is rieg elight. Formetimes the up and clown receive equal emphasis, but rountimes the down beat is emphanzal (i.e. more rapid). Ithink that the up movement invally comes fruit The portures at the peak of the up movement and the nadies of the down movement one shown by shetches in the shetch brook, (there portines are rather extreme, long-neched, nersons). I think that the bell remains open throughout a liverst of "Kacia" notes. The uest is always raced during this Glek I have seen some Glek with body R., Ent there cares have been race and may have been accidental Mis glak appears to be contagious.

I noticed some slight, thortweeled, up and down monements, weth bill cloud a crest not raisely apparently releat, in liotile returnions. There were probably out mous of Glike. Sometimes a lived on the ground, when a flying build was about to land too wear, would lift its head up, round twesting it around to face the flying buil, open its bill, and raise its west. This may have been accompanied by Oflik notes; but there was no trace of the type al glik up and down monements Crest-raising is obviously aggressive I have seen lively raise then cuits when delivering otherwise curitualized attack movements. Chairme of the carpal joints a abricant of flying int mor done by lands before flying up in pairie, and after landing This was sometimes quite extience. The carpal joints were unally remembat rained during Glik, but never more than elightly, just no that the carpe onere muchle The felent Paries were full of enate flying. Dan not mue if Glike notes incre uttered by Slying linds, () thinks they were - but urually when trying to land in a crowded rection of the Group); but our ther note appears to be characteritie when the had are milling about in the air after a belout Faire has liegue to calin down "Keeyup" or "Keeyar" notes. Trigles pitated than Glik notes; lut alco-have "rattle! fometimes aftered in quick muemon; but nover really lugh internetz rhythin like Glek Mother call uttered by Slying buch when a felout Paure was relaving was a rapid "Kiel hree hree hree hree hree " clear, lighputitud notes - very shore - buil-lelie Gotts were very commen during periods of general hartility. Couldn't poulty have been "coinciclence"

ed with pairing Two linds, flying new fast, one behind the other,

with some zig-zaggweg, One or both uttered "Kril Kril Kril. Kril. notes, fairly long-diawn, reparated by intervals, with just a very slight ratile undertone, This flight ended ma puipitete glide ly both lives (which Scoulder't follow).

(Thurst check all this stuff, particulous the Glak postwes, with Walker's photographs in "Natural Hestory" o "The Hational Geographice" One of their budsward mutant. Had justel orange fruk bigs

(same color as bell) untered of black ones.

Desember 5, 1955, dominicanie Partifogasta Bar

(83)

I can rather president what there lived are doing live feweral pairis (at least) of the aducts seem to be enjoying numerous necessful cop. whatevers. and there are always lots of asturt around throughout the way. Don't they have a colony of their own to go home to.

There lunds have daile eyes (Or, at least, all the adults I have recu close up have dack eyes). Look dack brown Chow dutance of lan than 10 ft, with yeares). Redduly eye mus vicempienous The courses of the mouth area little more orange than seit of the vill, in some linds Couldedy guit those well relatively slightly orang bells as a whole). Sunde of mouth mondercuft yellowerly.

Josts occur during hortile accounters. Frot occurrences fraguests but probably too common to be considered

Have near chistung once during a dripute on the field. Thurst typic, legs slightly bent, but no squat or lowering of breat outo ground

High where I , just before or after out ask, is sometimes with and your allette. It wally moment

The L.C. pattern seems to be quite variable bometimes D alone (Can confini the fact itest it usually contains to -8 syllables, more often the forms that the latter I think. There conect one thing I said previous - by - all the notes are abused the name putch, cutainly no pronounced lowering or despening as call progresses - motes are deep to begin with). Have one need a migle please L.C. in which the portion was intermediate between O + HD, although the motes more typical O motes Kooled abused believes: O + HD, although the motes more typical O motes Kooled abused like an L. (Hers "L" was given by an appoint arent; "aux" "L" land, put before retreating). However arent ("aux" "L" baren to her of HD - O's. Her head is often quite ("far back during HD, (but I baren to moticed acq particularly comprehenses various of corpolar points charme; HD). There were need any more 'BD - HD - O performances.

unally lines have my little carrying power, and I can to trainculo

then they may be like 40 notes of belcheri

Coundries the size of thise livels, (they are extraordinant warrable in size and praproitions, incidentally), their voice is comparaturely weaks. Even the O notes have nothing live the carrying power of the comparable notes of the Henric Gull.

One for your expected L.C's Corports of L.C.'s) from O portione guid like adult found was must peculiar "Tile tile tile tile tile on "
Anone or len name number of reglables as in adult Deall Chief lend was in approximately 2 mel writer plumage — or no Delecture from Murphy's level observation). Gover this call in observance houtele cicinistances "

the unal line HD nit mous, except that the will un't opened and there

un't am livef note

dominicanus, Dec. 5, III

(185)

One new interesting wicident adult bird gave unval HD int. more, with call, and then, without the disputest pause, hept head going down or back and began to presen lower breast feathers in a perfectly normal-appearing manner. Excellent example of facilitation by nimitar feed-backs or intrateries you want to call it.

dominicanus

December 4, 1955, autofogasta Bay.

add a few implementary remarks to yesterday is notes Consition. The eyes are not really dark. They are settrally grey, just as Murphy rays. But this is out noticeable when bright remblight is showing right into a busheyer In the shadow of the eyelnous the eightes look dark, the out effect of the greyners there is to make the eye look smaller Ist is small at the Front new this buil is remarkably glat heroled I loufum. He carpal joint are unally (perhaps always in this retration) not lifted during 0 & HD. Sometimes they are hardly visible 線川 T-HD after attack !! Bud maling long encling flight Dedn't recember happened before it flewup Governmented LEN's and & M notes: " aow aow are acusocoa Clow Clow Clowocococo ". Men back, landed by still this incident ruggets that M note is not too cloudy tred to purel " revual beliance (Or, of course, that what I have been calling Mude is nowelling Willia PCC).

Or regruegatette food for q, after mutual T'ung, comulation, Q T'ing Can confirm general mealmers of voice. Certainly this of Truste, Ministe on

11) of ground, & Cop Call

1#

Decomber 1955,

Teneral note about three buils. They are certainly "calmed slown" enince I frist annied. It has been days & days for untarner, since I have seen Chohus or augtime; that looked even remotily like pair formation. Mostly lots of late-attage pairing behavior now-. (Than, of the buils are still staying in Autofogasta at might thehed this last might.).

Nave heard one "Aour" notely attacker before attack

December to, 1985, autofoganto, Bay and Tocopullo.

The types of larieds base remained much the same in autofogata ever since my annial. Lot of Greggelle, lots of Elegant Terms, quite a remover of Kelp Grells, and a few (1-4) Franklin's Gulls (all adult). Wed bruf glimpses a week age of a maller term, pointly aritic Term (looked very grey - and in non-mystral plumpse). One finished Bel-cher's Grell seen around Horr 25-26

desemblage of lunds at Tocopella, seen Nov. 29, was surprisingly obligated. Lets of Gruy Gells, and quite a lot of Kelp Gulls, just like But of oggasta. But also grute a number of Delcher's Gulls, little dut of young lunds; and grute a lot of Enca Terms (breeding in barges!)

Derember 13, i 955 Laguna de Maule

There are a number of their lands here; (possely 25 in all). At least 3 lands in complete adult nupteal plumage feveral adult birds in incomplete mupteal plumage. Several first year birds, in very incomplete mupteal plumage. The liveds are not active. Have seen no rights of pairing, surprise using little hortitets.

Definite returnlyed V portue Howe ver one or two cares new clifting the agg. (nee deavened), remeal cares in which the portue appeared to be intermediate between mod. a agg. I One of their butter was adopted by see exaging avid. Howeve't pret reen amything that was

morphologically an aux. V.

produced by a preparaderance of escape anotheration, occurs before during, and after overthescape.

In general, the voices of their lives are like that of the lund in the Luna Boo. Probably the highest a shrillest of was gulls I know

How heard one complete L. in dutance. Didn't me the accompany-

The commonent form of hostelety among the lands on the ground have with a CN Often comes in great bursts. Each note relatively short, _____, "Three" with pronounced rolling, undertone of "r" of Green from runi-0, or runch more frequently a V porture (rue deaving) Definitely aggressive; have run it precede attacks reveral times.

al. C. notes quen les flyming trois, swimming truds, o lunds on ground. Sharp "kile", or, letter, "Truck" notes. Either ruyle notes or, luglier internet, double notes "Have yet to hear a trippleature al C. all the al C's les lunds on ground or water have been green from right alarm Posture

Both short o long LCN's given by flying hinds that ones occ-

by burds circling over me Long LCN's green by pursuer during pursuit flight Long LCN's green by hard during Suroop. The long & short LCN's are very unular The strong LON's quien by flying burds are quit lilie the ones previous mentioned as occurring during dupults on the ground. The long ones are after my long - " ; must also be transculad as "Freezesasses ... "s but they are purer than the short LCN's, lack the "nattle" or "rolling R" undertous all rocts of intermediates between them The long test's are presumales the equiralert of and homologous with the PCC's of other gulls

Musicicling, noted aliene, was just like that of the Ring-lill To

up a down movements

The three cases of Iwooping a fearing observed oursel when sever al buids (5) were wiching around me. All performed by one wolviched Rider Pronounced delivered during sour The only remarkable thing about the portures of the birds

sciencing LCN's alique rue, and the hiel Lucapung a fooring, was the oreciliar effect couraged by the position a relative rise of head a week The week was uneally statiled forwards downwards the head also positive down wards and There was a noticeable contact between the wall black head a the large puffy white neek

Leveral lucks ciclus above me, or flying straight toward me, have meaned a long runs of LIN's, the long hand, with rung little games y any lecturen nuceenine notes Muse performances were not however, complete Long Calle. No --- effect

I have beaud rome LEN's by flying furt year burch thurth huef, although nouse moderately long. Much like those of adults, but brugger (more rattle "?), more lebre the ZCN's of Bouaparte's gull Hough of "covatie flighting" lette that of Bouaparte's Gull In general, the voice of this species, compared with that of the

my grey-horded gull, sounds as if it came from a maller bird.

The books of these linds here do not always look as relatively large as that of the built in the Lina 300 fill - they never look wall-booked with the only purment flight I have seen was abroanly consider with food. Some twitters of terrining, but no swooping or noarning

serrances.

Deunlus 14, 1955, Laguna de Maule

notice again that the Value LCN's often precedes attacks In
this case, an adult incomplete nightal plumage, abel it repeatedly before
charging a first year bird. Drie did VoleN - V - charge
Value LCN's also appears to be a reaction to rice When I approach a bird swims away from the shore a few feet; their menus along

for away from any other level, in U (swimming type - can't be very well destinguished from alert porture) attends an almost constant stream of buf LEN's for more than a minute

the promuneus Toward near shown in my drawings

Vernilion inide mouth es ver conspicuous during LON's

less relaved poiture, when another bird panes close beig.

One fait year lead grees LEN's from relaved porture when adult approaches. There notes were whatwelf "jure" and low-pitched; might be transcribed as "Keow"s

One fut year bud goes into H (fourly new -F) +R, then investicitely

Estreus agg v hy prist-year level V before attack - V+HF after attack V before attack - V+HF after attack

**

11/4

3.00 pm. a whole new outlook!

found an island in the lake where there is obviously a breeding colony well-established about 25-30 pro probably

The vilavel is small and rocky (not very large boulders, however)
The out obvious negetation is a good deal of the elect, tussock y gran wheels is no common around here.

Musical is about 1/4 of a wile from the nearest but of wain-land I can ree much of what is going on, and even hear some of the calls given by the burds on an ovally be over to show much acrack hostility over my head. But it is nominably the difficult to determine the wast stage of the breeding cycle represented by the coloring as a whole I haven to noticed any early paving behavior. Boundary disputes are on anovally compressions of prolonged. There is little reducited curial hostility. I have near quite a minuter of copulation attempts four of the burds way be returned on eggs but some pavis obviously can't have next of the little a niture on eggs but some pavis obviously can't have next of the little and the ridge in water). They gives in that must of the little are put at the inwediate pre-egg, itage

how to get down to the behaven of the buds

It think that my analysis of the aerial call ristes weeds to be revised or rather extended, nomewhat The aerial LCN's are extremely varied, long a short, "pure" or "rapping" (i.e. with the or rather indectorie). The longer a priver notes reum to be higher intensty than the choiter of more rayping notes. Of must be wentioned, however, that there are our anough, short pure notes and long rapping ones; although their reems to be a definite conclution between length a pureness; is the notes tool to get purer, higher a shuller, as they get longer). The very light shull, pure notes are apparently produced by a preponderance of attack drive, as they are frequently given by burds slegue, stronger toward me. There are they are frequently given by burds slegue, stronger toward me. There

are not, however, the real equivalent of the PCC Me real PCC reoles are long, pure, relatively roft, somewhat lover in pitch, often quaveruig, remetimes almost trisyllabric "Keese -a - wah". It is these latter
that unvally accompany the Lupop (although the beginnings of rome forops
are accompanied by the biglier, shriber, long notes), and occasionally
continue (in a fading form) into, or even through, the form

I have finally beard a number of tringlestere all c's lent there are still obviously relatively nace — they only occur at the brighest interested Costile strongest relative strengths of encope? They doubtful, as the lends don't retreat from me any more rapidly or any Surther, when they give brightable or monosyllabre all c's) It would appear, in fact, that the tringlestie all c's of this speces are never produced by much weak motivation as nowe of the tringlestie all c's of other speces are never produced by much weak motivation as nowe of the tringlestie and c's of other speces. This is one of the more pendiar features of the speces.

Howe of the buds flying above we have ittend repeated rever of LEN's, mod, long, higher shrill, without pause between notes again, however, there was no trace of real neval i. C. I am beginning to think that the species way really lock our areal i. C. as nowe of the livels flying above me have alwayed had very high motivation indeed (It is possible, of warese, that their exape durie has been relatively too strong to permit and C. but their one would expect the LC to be given by bush that close a lot of five appray etc. And it is hardly belief that the LCN's I have bessel would all be less aggressive than any LC that the species might have).

I would all be less aggressive than any L. C. that the speces might have,).

Intermediate notes between LCN's and all motes are not infrequent.

Of almost busyllabre "Knewnys"

I naw a lot of Iwoops a fears performed by the buds above me all reduceted; nowe in varior, nome upon other nearly burds blying around me four of them were belief the ones previous denumbers, is that

and stup. Others were much more extreme, quite as exaggerated as the most extreme furops o four of Franklin o Gull. They were not as exbut, the fact that they are as extreme on they are now, relatively late in the bucking neason, and in men of the fact that I have one green a relatively much number (about 10-12) of them, there is ever reason to believe that the Levoop - four complex of this species is probably quite as well-develop cel as that of the CBh 9.

I noticed a few apparent pendianties in the form of the fewers of Loan of the years (a) I was strick by the extreme amplitude of the wing molies dung the Supop Seon almost straight up to alward Marghet down. also, as previous noted, elinik &

the extreme lefting salmost restrict the wings during the Loan (b) It was

nuticeable that the buds often arrived the name studing portice, head oriecte stretched

porterno

strongly downward, defore and during the fewoop that they ded in (Other species do this too, but I have never

ren it romachedly arenthis species). (c) There was some - twee a defruite paure before the Lucops while the level reviewed stationary beating its usings as during the surop, and maintaining the extreme downward stretch of the head A nieche. This looked new much like a stationary buttiefe glight"

Some or all of these peculianties, it must be rected, may have been due to the fact that the buds were flying in a new strong wind. They way have showy a tenderey to fueop wite the wind)

although I raw a number of primit flights without have ofeether Lucap or four I also moted remeal pursuit fleglets which ended in extreme fours, and one which incorporated an extreme funcop as well 111/1 as a terminal four

- Name were one or two "Seyma" foras.

Several, at least, of the colinewed pursuit flights were appearant outline burieties outlies outlies outlies outlies of the ground in the colors. There primal flights in cluded the ones weth form and the one weth borns and the one weth both funcion of the one weth borns.

armell as a little houtelety on the water

Visite repeaces, is a with HF after copulation, with HF as a low without, questing (without other olivitage), etc. Four much as previously described appears to wan from extreme ago form to "modifiete" form (with not as thick as in ago, U, will approximate how outal) full haven't noted anything that looked like an extreme aux. Una plupical form Wotreel at least one blow opened with tail above mugs also one U on materially tail above mings. (This latter followed F, and it is probable that the tail is poloton above many in U's that do not follow F).

David Fare muscheless convention. Vin the colon, at the present

time. "Morehas proviously described and it as now apparent that the

provious O's with "invested and "are colonage, or about always,

Americal toward Cogne burds. Sometimes quete short are dead in there

coccurs times. The unwal Cotomored velocition ground inquite straight

appear that the Occurally quete variable.

To also much

as previously described. One were congruented.

To be first of the

the ground toward frying burds, and it is

probably the runsh requeries of deeplays in much are words and it is

might be expected. I am not yet rure what role O-F plays in greeting! It is verland rilaturely race est present y but I have seen at least one greating of a-1- Country Choling is responsed withe colony. Thyoral form much an present ourly demilied, sometimes as westral as thof Blig. Sand I have seen one care in which tail was lifted above wways blust not yourd). Other

obvious, incidentally that this is one of the exicults must apt to left its tail alione uning during thirat themadiable annum of its use que most previous effect, especially is an task appears whent and "for forword"). Choling attents occurreduring both bull aprolonged territor ral boundary despites. Letre Ch. of B h g, it is often reducet able water toward our mother during with drignites . I think that the may also play a partie greetings , e.g. Chi - Vall-, ent this is still somewhat

dulicous. There is a pertrue intermediate between the a U

HE is remarkably commen with it alwart al -) ways present with the posture intermediate between Volh, and I have recent our with pare the Dewishard extreme in this aprecess. Of least as getteraligned wetter Hoto file of le go much more no their that of the gree guel, formstance. Alwest always a right movement; but have non one care of "approved of florgoning was served and are the server some and a server

There was a little revued believes, at a quat elutaire & begging from of portures of a sand movements, juice lilestimes of begging a B ligs Cerapt providely that the actual brailsward to roug was relatively rlight) Each towning movement accompanied litting note, which I couldn't hear I responded by regurge in rome cases. Just put bread to ground or went into real M. In office cases, the of went into V, ran away, or performed red-

surranus, Dec 14, 1955, III

gave 3 or 4 HB movements from V, then made mounting int. mov. The outside copulations I observed (3 or 4), appeared to be put like there of the Bh 9. or gave Cop Call, which rounded like "Ka ha ba ha ha ..."

from a distance.

One general note. The helianies of this species is becoming more or more obviously minutanto that of the Bh g in all respects. Just one problem about the O-F-L. Complex. This appears to be relatively nare, in its complete form. And it may be requisitant that I could promobe choling at well in the capture had not the Line 300, while have my considerable difficulty in provohing O-F- this maggests that the camal differences between O-F and the niclode something the bendles mere interest (and hences the fact that O-F is a long-distance as well as a short distance complex of pathtins). It way be that the the of this species has "partly tober the place of" the O-F ????

surranus

December 15, 1955, Lagrana de Maule

Come back to the mainland apposite uland in morning. An investigated mobiled by 4 or 7 liveds from inland. Assial hortility much as yester day. But the wing-beats of buils charging was, and hunds moroping, celthough emphatic, was no more emphatic or extreme than the wing-beats of travelen apple on the B & g. This is presumably due to the fact that there is always no wind here this morning.

In the head-down porture, although it shows no inclination

to sucop for a long time

are about correct, except that the tail is a little too long



Home finially discovered an arnal Long Call, and it is rather surpuring! One level flue around, sucoping repeatedly. The form of their move ments in quite usual, but the call is not a PCC. 2 or 3 three high, shulls long LEN's during Lucop, then 3014 shorter LEN's during Loar There LEN's get progressively choiter, and perhaps slightly lower. The whole revies of Europ - Loan notes might be represented on The recues to be a definite L.C., although Swoop the differences in pitch between furt and last notes are relatively slight This behavior appears to be a remarkable special gation The tail is closed during the Jusep, but spread during the Joan. 川鄉 I have reen on their head do a ferroop-door with L.C. When a lived fleer around me, meaning high long seals, in particle

with head a week theteled downward, it goes out of the poeture to a greater or lever extent, goes ento a "normal "flywis porture, of it interjects a buest of all's in midst of the rea's. Then goes back into downward thetile portine if it reverses LCN's

Much to my impure, there appears to be a motor boat on the lake With Julermen Theis land on wand, walk around. One of them goes eggcollecting funds at least 3 nexts with one or monecyps - Overest certainly had two for some of the briefs are certainly in the incubation phase.

Select Varies by buch as fulrewer approach the idard. Thuch as and Gute slight Lettle erratues in Prediget fly up fly our water, wich, and land on mater

Have also been wateling a little behavior on land in the colours 1113 One brid, of of pair, does Ch - O-F-V+HF-V toward a religious who lands Have new neveral more "operatings" of the USHF, and continued

or usually silent.

serrames, Dec. 15, 1955, III

Must severe a little that I said yesterday. Owith inverted arch does occur during ground disputes. But it is indoon as never the live function trace of O. It appears when the hauntron begans to F. Hus transition is relatively long in this opposes. The length of the transition, in fact, is probably the complete explanation of the penuliar appearance of the Orfitein species. The I be go way well have an O with an invested arch also, just before it goes into the F, but this is much a fact transition that the invested arch O is unnoticeable (Al least, that mould appear to be placeable!)

The porture intermediate between Vo the is another one in which the books looks particularly large. At least as large as in the invertied-arch O.

The would have come up again 10.30 a in south it has calmed down the lands

awal fight, buy. Missionento quit like Levorop- Peri-Mover of Franklin's

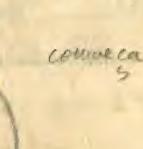
Gull Coulder t hear any nound, however

I am almost sure that this species can't home anich in the way of glile I mould judicily have beard a trace of it by now-

mon or less how out al pursuit flights attempt to peeks the pursued

Those yet to me the pursued do very much twirting and turning during a pursued flight, although I have now a little There presently due to the brevity of all the pursued flights I have new.

Some any V's appear to have well pointing almost vertically slown ward



In case I fouget to mention it earlier, here or in Luna, the tail is not infrequently above tail in F

Home again heard a mundle of fruit year lunds flying above me, screaming LCN's. Porce quite like that of askults. I have not head firest-year lunds retter the very highest, shullest, & longest LCN's, but this is probable able bleaure I have never new a fruit year briolas "evuled" or "repret" as some of the robults

clomini arus

Brember 18, 1955, 300, Lautinge

a lot of their huds in a pen here. In fairly good condition, but flech colors (re hell a leaps) a little pale. Lowe of the trucks quite active in "remirennal" behavior (re. "freedly choking, M, etc.)

Memory Chell Bourse a lettle desperse pittle

M is often preliminary to choling.

four of the M-Ch Culturen menters of pair appears to be "pure?"

"frewelf", but a lot of it is observed reduction as a result of bottle encount

as well neighbors

HD is usually accompanied by 2 notes. Here are "clearer" than M notes, and usually shorter, but still they are much more like M notes than are the Onotes. This may be requificant in connection with the how-ology of L and HD pertures.

On unally done standing Porture like Werning gull:

Bill is wide open throughout O, but the mandables do close

men regults between each note

川澤

This closing is new inconspicuous. Inste between notes.

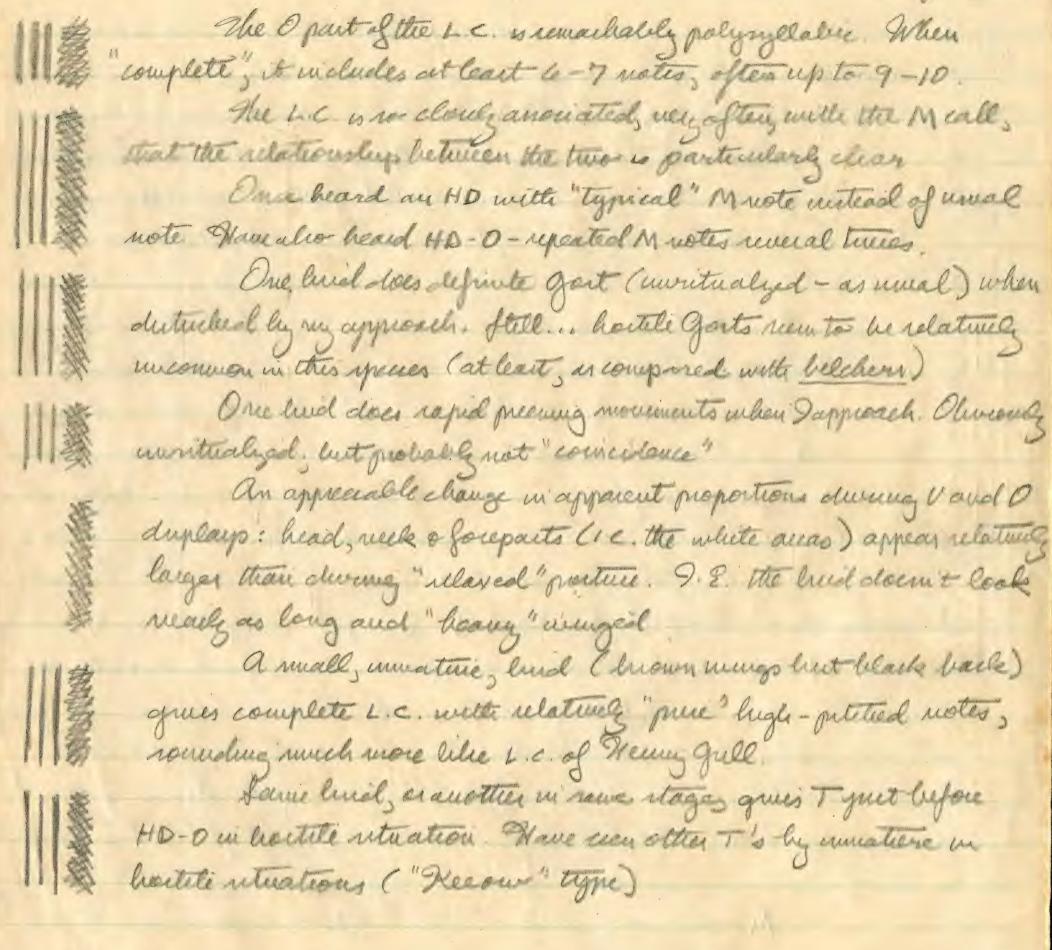
(Premably low intensity) Other the amoupmed by call exactly like Herr-

1113	The fact that some the appears to start, in a low-interior form without preliminary M, and that some M notes appear to be relating
	begin when to and frequently repeated, would regger that the difference
	The purely " " friendle " the M can premiable be explaned in terms of "general" or "revual" frustration. Or the theory that any form of Just
1111	ration teasts to sugar
1111	Case in inhale coupal joints were hardly lifted at all during 142 then lifted mod. for out during 0 11
	Extreme HD.
	den entieme form is quit pointing head
*	Tech wat thuk during O.
	Both the and HD-O are common during the more within disputes
	here V common during lower interests disputes. A common during disputes
111 %	There is any reason to believe that this years lifts its carpe ulat
	were cers and relatively less progreently than rome related years. That only is the
	litting of the carpal joints extremes variable diving the i. c. performance. level I have seen quite ligh outerints ago V's without any lifting of carpi
川養	wh "rost of thing!!
1#	Now lite of LC. In with very lung HO, one our HO note
	Now lets of LC. 's with very long HD, one our HD note 2 heapping from H, with T. This T note is house a muffled. But rather were like "Kreow" than the T note recorded above. (Bill is hept alwart closed or one opened run shirtell, during all T's)

		Have now heard quite a lot of Tealls. all muffled. The 2
		previously revorded versions are the extremes. Ot is remembable how
		weak this round is - it is quite viaudible even here at a dutance of
		20-30 feet, although both the M and the rounds are completely avolible
		even courrierous, in their cicunstances) The Truste is alwaying
		put the raws, encutrally, as that of related species, but it is cleeper, o
		hoarser, and this, plus the muffling, is what wakes it round so
		different.
	13	Brids tend to gree M notes, apparently when standing by
	18	fence to get chevries thrown by yestatois
	1 %	Therew't reen any e's with real "creet" raising, celthough a few
		have had faint violications of a crest. In spite of what I just raid
		about carpi-raising, it is remarkable how many agg V's are accomp
		amed by the raising o spreading of the whole wing.
		Mis is jaitealacte conspicuous when a
		stops stock-still, right in front of
3	9	after having rentred forward in an agg - I renive charge.
		Copilation Call y a ratter loved
		"Ka hu ha ha" Umal qualits of voice. Bill wide open.
		Have reen of just before mounting, que reformement of
		Cop Call, bell regetts less wide open, while standing "leaning over"
1 6	1 =36	Macanata of the second of the
	13	M (nometimes followed by th) often green by o's after coll-
		ecting is my as their go toward what appears to be potential rest-rite.
		appears to be a form of "calling" the & often follows of often joins
		him in the at next rite. (9 cannot definitely way that the of ever ques
		My in any encumberies, but, of course, it is probable that the class.

dominicarres

December 21, 1955 Lautrago 300



December 24, 1955, Penta arenas

A lot of their bries, adults or unatures of all ages, on the various breaches along the waterfront of the town. Quite active, Have new nome intensting across because

Circling around one. One of the luids alors sliger runitualized moor and soar (not as extreme as the most exaggirated Ring-bill swoops and soars) "in vacuo" fenes of LCN's during moor (feging), relent during soar (wings net, motionless, in slight delicated.

Malking along itreet when two buils (pointly pair?)

fly bight overhead. Both give complete X.C. One or two piction are notes, thence-& notes Only portain was a not-too-extreme O.

Wings continued treating throughout performance

Heard one of a group of luids flying wear we give 4 nyllable all "Ha ha ba ha" Typical large Jams quality. Other is no doubt; however, and that the all is relatively raw in this speaks.

much rarer than in any other girll I linew?

maculipennis

December 24, 1955, Punta arenas

a smaller number of their buds around in much the name

Many LON's, by both flying buils and buils on ground. Very reminiscent of the anclean Gill; but somewhat more like the Blig. High a shall, but not so much so as the unal LON's of the anchean Gull. "Pattle" undertone, flight burzz effect. "Kreece "or, more of the pulsaps, "Kreecaar".

Have also new a number of dupleys on ground, but not new well or my cloudy. The huds oven't very detire LON's unally from relaved porture by linds on ground, but I have non one trud guie a hurst of LCN's from a Vor remi-U posture before a during attack (Very reminiscent of the andeauquele) Many alest particles. forme of which were probably aux. U's carpi put vierble. a few possible low interest agg. V's carpi just Definite O's reen reweal times. Very much leve audean Gull Verlages a slight trace of " unverteal and " There receis to be an F in their species, lux I have only rem the brufut examples at a great distance. Once a buil Fint mon ->0 -> Fire mor. Otherwise Faloue. Ornequite extreme, but nather straiglet weekend One remit & servi - H with there of R In general, this species Cooks remarkably like the Blag De clouest relative, however, is probably the andere Gull. Much T'ung and HB'ung ly lurals feeding was received outlet. Both movements apparently anompoundly relatively roft version of LEN. The is preumobly the FB my Obvious both Tout HB contain a hostele element in there circumstances. OBefore 9 forget - it might be mostle aturning the fact that HB , or , at least, frequent HB, appears to be a "oliagnostic characteristic of the ridebundus group

maculipeurio

December 25, 1955,

Mere and lot mon berds here their morning. about 20 or 30 by the

I think that it raizest be better to say that the voice of this species is almost exectly intermediate between that of the Andraw Gull and Bourparte o Gull. Has a definite and conspicuous trace of the burg of the latter. They O's and F's with crowd this morning. Both all usy rundar to their of the Blig inform. Man F's by themselves. If O and Forcer togettier, the usual requerces as expected, is to -> F 1114 Mary D's Crefoce attack. V-HE after attack. There will a good deal of expandity heitile T'me from the Coming" is really the revery phrase here - the besterwood movement of the head is were slight I.E., the performance is like the low- interests Ting of the B. G.D. a couple of F's or reme F's (new little "unuted arch") luface attack to the state four of the arrial LEN's are particularly long o quaraning -but most are about Thurst all the buils here are in complete neighbor plumage, but a few are niconflite "eventer" plumage, , and some home mottled bearls. There heard wiesel mono - and he-ryllalise all's by Japan berds "Kele" or "Kele Hole. Typically Haydroed orus in quality. Trying to hear the rounds accompanying the ground duplay porteres teller difficult on voice is not too loud and the returnion is next too good (lots of waves, and trucks monthly along road The numerous lengt O's that occur, by thousalves alone or followed ly buil F's, one often accompanied by a sugle bong drawn, buyzy, not ney loud, "Kwaaaarrer" (ni 13. Lowetwee 2 mele notes, leut this in relatively rane. (The fact that the "typical" O is monorgellabre is rather surpressed) The numerous buf F's are allowpranted by shorter notes, unall one or two, sometimes more, varying from "Tree" to "Kreear" to "Kwarr". Other buzzzz.

I have also heard a number of apparently complete L.C's, i.e. woed preformances including man more notes. There sounded very much belie the Le of the andean Grea Never saw their new well; but in at least 2 cares accompanying extreme O -> extreme F patterns FB note is nowetwee guit also F note (and both of these are olivious nothing except heref LEN's) Sometimes homeins it is a luglier-piteted, Muller, "Kiece" For lugge than way Frotte Both Fand FB notes are relatively loud; at least as louel as I have beard some quavering long diawn notes, very remennoist of the or M motes of attres guell. Almost "Krece-a-warar" nort of thing. Prot were who was giving their from what portion. Thay be just a type of a wate. There neems to be a landing call. about 4 or 5 descending LCN's In general - close up - the notes of this species can be transculted quite well by Kirlman's tenumology of "Thurar"s and (for low returnity hing LCN's) "Kwap"s The only thing this yours is rome of the shrell high- pitched note. Opposent M.C. of O >F -> UOHF -> walls away in V-> gra -> flier off & O -> F -> V + HF Chue O's, F's, and V's are very entreme) Van in Blig Moderate to agg. wede open > _ Chris is the typical bruif O posture. Yeng Extreme O's are probably characterized by the Bag-lile The "invested and " effect room't appear until the transition to then it is compienous, little neutral or meanly so.

There is an attack call as in Blig Representation of Service the O

There is an attack call as in Blig Representation of the Common for the Common of the Co

obvious low-interiors, whoit-necled, evel horzontal. But I have

Carpal joints are held war out during

V's (twitte effect) but this is race in their encountaines - Unvalles been, the caynel joints are just back well well - if at all.

Night R. live this is relatively now It way be that all F's are are own amid by shift exertion of mounts feathers, but the back unally

Descriptive notes. Hood appears to be same color atthat of the Blig Bombly the darlier porterior broider is less district. (Ethiclore look, quite a lot of their brids show a four white feathers mean bell—primably the beginning of the part-neighbol moult). Explicano one relations mall. Printiple of bell dark common (inside of mouth recover number). Feet a legs enumer, perhaps nonember lighter and linguites than those of Blig, (although this way be due to the fact that the bird are in a late phase of the building cycle. General effect of news, pattern much like that of Blig, (see decompanying didwing). Four of the bird build still have a rosy bloom on breast of belly. Proportions appear to be much the same as there of Blig, out bill is probably shorter a thicker.

Many of the O's & LCN before attack are not modified; " a mortrace of attack note" even at the very moment of pecting on appoint May buch land in group without a landing call. There is a good deal of PAG in hortite vituations. Buds pede downward very wichely. arther an iterating in water most of the time and in a good facting owen, there pules are after transformed with durching or feed. Ollo rometruis accompanied by elight head shaling - their the enhole theme books like cleaning " the bell. Nave new a good man more O's now forme bugh internets with or without interequent to Only one pendear feature Gody is usually, Gerbapo always ??) horizontal or even alightly tail upward. Here rem iniscent of anderer Gull. Body looks relatively large in this portate of larger than in other postures ; but not as much so as in audean Some rather bugh internty-looking O's are not accompanied by ranning of the carps I haven't new any Challing citter, celthough the linds often stand in a porture that Cooks nather " pre-Cholung"

Have seen Chibing - but inforteneately by burd standing almost belly deep in water Genal form a movements But tail not as high as in (3. a.g. or anchean Court olive to mater) Couldn't hear round, but Will was never slightly open, insoltto bud was well house liven allering reen roft; alightenic repeated muffled notes Hove broad a few troyllabee all's. But they are stell relating rose (This is certainly and their point of recould have to auction Gull) Thay powelly have beaut a 4 ny Plabled al.C. The attack call mugest be transcribed as "Kahiliakak. They naprid. Olivering a "fragmented" LCN. Chote remoblance to Belelin's gree!) This levels to a certain amount of confusion; as it is undifficult, perhaps unporrelete distrugued between the attack call and a yighted all Our again supressed by the abusing hortele mature of the The note from It or with IB from remi-U Even used by lund running to attack Have rea several F's and even more H's as read F' - reme H's a in hostate incountence, with R (definite Cut not too extreme) The I c of this species is certainly somewhat peculiar Kelativez few note. I have seen many apparents or trave 0 -> F performances with no nume their s notes the or two long-drawn, may lungry notes, with most erately open bell, in O; followed by about three whath notes buggethet also new plantitie notes in F (The housition between the a posteries is relatrach rapid - and is unall covered by the latter part of the only or records Overter But and opened during their plaintine Friotis Jael widely your olivery there E's. (austres point of recomblance to the andean gull). There plantine Freetes an very different from the notes ullied divines luigher, Course restauret to Foly themselves above, or associated with luif (). The latter are higher pitched, chiller, not planting Bill

11 1 is opened widely during the shall Frestes (and ponitely the tail is not
I garned - or, at least, farmed less midely)
111 Thythm of "typical" L.C. 's might be represented as
O house t indicated pitch in these dia
grams, because it is difficult to distruguesh in nech peculian em-buman-
noice-like rounds. I suppose that the Fristes might be shown as low
petition than the Onutes, but those is contained nothing like an evenly
descending never of notes. all O notes same pitch, and all & notes the
11 & same peter.
111 & It is possible that some O's, particularly prolonged, way bare 3
11 18 notes level this is new race - if it ever does actually occur.
The ountly licitale remi- H on H portues, with R, with bruf LON
I motes ("LON" in broad rune - wichesling FB motes and shrill Freetes -
I one of their can be really deteringenthed from one another) are neg remines
I gone of their can be really deiter general from one another) are negrowing
December 27, 1955,
maculipennes Bay of Porvenir
a little pairing behavior on the beach with rain. Mc's of O > F ->
O lettle pairing behavior on the beach with rain. Mc's of O > F ->
alter the the of flew up, chased quetter buil via udirected
I puriet levert sulormance Rapid houseoutal chase by pursuer give

often the the of flow up, chased another boid we redirected pursued floget palormance. Republished horizontal chase by pursuen, ground LCN's, notes withmediate between LCN and attack Call Hote, there are attack Call Hote. Followed & new what fuces, and a moderately short foar (at hist flying, then gliding). Attack Call Hote continued into the fuces, LCN's during fait pout of foar, whent during last part of foar. I the rouple, short, notice of these fuces and foar probably does

mean that the Sweep or Soon of this species is necessarily relative little or saggerated. His particular Ord was new aggressive and one might expect him to do whitwel, little in the way of duplay. His behavior was new cloud to "pure" attack).

Had a good new and herring of M. Pry of after M.C. Stood in V. On put bead to grown (out approximating a typical 14 particle; of that). On stood in "pre Choling", new -v, tail up porture. Bill cloud or alwart cloud. Mnotes might be transculed as "Wareon A", but es neutrally un-transcrib -alle. Ratter muffed, but not very familiae.

Pluy strong, rolling, "wodertone" of "r -r -r -r..."

all helianion lay plumage

scorestici

a.m. December 29, 1955, Powenier Bay.

Natitude a group of these birds along waterfront feeding in a crowded was on brack then fly to rocks in water to next a while. adults in next to level plumage, almost complete might plumage make up about 13 of the birds. adults in wenter plumage, or almost complete wenter plumage, make up another 13. Junuals Coud or immatures ??) make up the rest.

"pure" fighting or attack behavior, and quite a but of "pure" retreat a escape; but the leads do remarkably lettle in the may of degrees

The pure citicule is quite conventional. Forward a upward peeles unally lite hours?

(File my drawing of "nemi-0" in B & 9 theres). Bill opened widely but hours?

olaring well peeles. Conspicuously crimison both inside o outride. (On outrides decline o most brilliant toward trp., pale, almost fleite-colored, toward gape).

I don't thinks that this can be a real ritualysed "G" pattern.

Unual alaun Porture! Urual Jours of retreat o escape.

Have heard quite a remober of all's but they may all have been

low-interesty. a migle harsh note; or, ruich, 2 such notes. By Clyma adults or adults on ground (in alert or relaved portue, I think) Here harde a house. Sometimes mote can be transculed as "Kele", but remedies "Halik Well! Have juit heard adult, nuptial plumage, on grounds give "Ket lisk lick" al C. Jout lile Belder's gill al.C. The commonest hortile puttern here is T! By prins and also be adulto mall plumages. Quite well marlical. Those extreme their most of the hostite T's I have seen in the Vatagorian Blig's here; but less extreme than the much muched to of Fraulien & Gull. accompanied by Trioto o) fueros a soft almost apparently the same in both dolutes and whited "Theor Bill spaced new extreme I have new sufar. regette and receling during the note. The most interesting thing about the Ts however, was its inmudabable heitile realine (wall cases - no trace of FB), and the frequence with which it was genewly the attacker after attack , Cur about half the cases recu - perlays 45-100) no carpe-raining with T. Some of their T's way have been rilent at least the call was very roft and the well apprently closed theoryhout Have heard trisyllaber all legflying levid. now we get to the LCN-L.C. humers, which is rather acrial LCN is unally house and hard. "Haah" to house "Keow" Often grown by hard Jegues ween me. Then usually mugle notes or reveral notes with rouse pour between their How heard a large. multer of notes green by flying land charactly a Kelp Gull (food colling and their followed one canother in repid numerous with almost no pauce between notes. Green from urnal portine or lack of portine.

Ground LCN is much the same. Morally rungle Some warrat
ion. It recus to me that the LEN's of this years are exemined variable)

Grown from "relaxed" porture, or securi-V, or Cravel, Stitute) from rewi-O.

Observably boilité. Cout not, unvalles ni innecliate anotiation with either ovent attack or exape

Jun. LCN is the unual laure "Rec-a-a-a-z-", with definite "rattle"
on "redy" quality. Quite frequent on operand, and I have brave to in the our.

Green from unual portures. "Nave new our definite case, and reveral probable
cases, of green in the force attack—T + T note after attack

Complete L.C.'s are now, but their base brain at least to in the opense
here this morning. Have been grown type! HD-O nort of thing. He ND
porture itself appears to be rather peculiar Collings the cases I care I care.

herethis morning. Have had good weens of 2 les colille in full surptial
plumage definite the longe Laws type! HD-O nort of thing. Me HD
paiture itself appears to be suther penulias Callhough the caus Deau-may
have been only low interest - but Dratter doubt it a lettle). Businessent
of HD of great flows, or even O of felius & Houthout's Gulls. Neek stutibled
appeared a forward, bread & bill pointed down ward a forward.
HD accompanied by mornotes "Kiecooo Kiecooo" or "Klives Klives Klives"
Drute "pure" in tone. This is followed, numericity, by O (in all the cause
I naw hardly may their securi-O).

This is accompanied by 4-6.

rapid alwort "promping" house.

Ale whole help half half.

Me whole h. c. might

be diagranmed as:

cut the L.C. These L.C.'s were observed frontale. After walfright in desputes over food and perchas.

They let add some remarks about adult (both maptial a non-maptial)

LOW, before I fraget: Some LOW'S one quite "prese", Henry Grell-lele. Others are report and barels that I have trouble distinguishing them from 111 the hand al. c. notes.

adult in non-nuptial plumage - but Idoubt it. During dispute over a reting spot. Jun, attended over goes into 40 portine (lilis that of the adults in suptial plumage), atters one very "ready" (almost pure natite) fur, early their grains four T's with Triotes. His is probably most rignificant in connection with the L.C. of the Pave-helled Gull.

Than seen revenlesses of HF (ruigle movement) after attack . Either invitualized or vez Con-interiority. From relaxed posture (runs-v) or con-

niteurety. Sometimes precede T in their execunitaries.

I have neen a number of "V"s. Either curitualized, or, wore probab.

ly, low interests. Some near - ago, Chill libe this ->), suring aggress we charges and after attack. Some nather aux, difficult to tell from

"alert" portion Chill libe this ->>, by retreating builds divine, disputes

In no case were the corps more than just visible

There steers the fact that even the T's that even during feeding are apparently privile hostile. Cloud answerted with without fighting. For tran of TO CIC. on buck faces another and gives repeated T's — alwait all there T's are importancements — if not they are immittaliable arrewated with

Mere about the same place. Some emoral of birds, clower same thing.
Mere about the genformance on opened faw one bird do-the gust like this morning, the - C., their followed by definite Tomorneut, extreme, with the not Toute This land was adult in complete suptral plumage.

Chrother land, adult in about complete superal plumage, of one repeated lengthersto of Orates Contout 3 or 4 in senies) from sent - O posture, volting succes, observed at least one of their bursts, Cand the votes did nound suffeel. Sawe land, the was perticularly apprentice), also gave the most claborate to coperformance. I be only apprentice), also gave the most claborate to coperformance. I be only apprentice), also gave the most claborate to coperformance.

seen yet. O-415-0!! Two notes oluvung the first O, regular. O motes un quality but reparated by a somewhat longer pause that the notes accompanymig O's after tio - , (wheel almost new together) 140 notes and rever of vote with second O, much as described before. What inflean be diagrammed as follows ance Carwell as all tite other O's I bave now today) are remarkably low-witewetz niphyrical appearance, look tele remi-O's of other species, bead horzoutal (surve or less), but week definitely itetelical forward. as for the HD packets, I was again struck by its recentlerize to the O of the felice Gull, head a bull very close to week ", pointed west call or abuset west cally downward. Course defruited leftelout, regelty, during HD. Hered the name call as this last, 3 phones, 3 times more Comiting men by the same brid , levt I couldn't catch the gracianes Before I forget, an incident this merming. When me first stopped the car, one of the luids in the group stood in remi-V, give repeated LCN's of the purer " Heeour type, opening a closing bell with each note as least so in necess. Teste about ala motes. Often occur en much the name wanteness as the all of other gulls (ne got pred obvious approaching); but also seems in other pouls different encunstances Andden outhurston group netting question when Thaven't moved and I can't new any dog or man approaching. But of ale notes (mugle, repeated) by and flying in to land in group. Would the suggest that the all of this species contains a relatively stronger attrick since than that of others ?? (Remember that are and ICN of the years recur to intergrade) I wonder of the "conglete" L.C. gerformance of this years is O-HD-Q-T? Would be very ruce, from a comparative point of view, if it was That went the may cow autourity U's 9 bane reen The "orgo" type, of ter attack, show trace of an "aggrenise head net" nanow, from top to both our, reproset, and alightly "creeted "behind & Their witters of >

Queeal conclusions about comparative significance The L. C. behavior of the species defruitely juto it into the large James group Morphological Jeatures mould suggest that its closest relative is Beleber's Gull. Some asports of its achover to e the hortele I gulterias our remembat reminiscout of the hooded grells, and it may be that this is the cloust thing there is to an "intermediate "years between the two main groups of gullo

General water about the physical appearance of the species. It looks Whe a wheat, small version of the large Fareus speces. Alwart leke a large progeon with a coarse well. Office well is thick or host, but much less mamire looking than Doupertod. Les manue-loaling than Despected). The buil appears to be romewhat districted. Doesn't conver the supremois of short compact had leve Belder's Gill; lent doen't look at all long needed either Kather wondescript, in fact, and not not acquitizelline Orapoitions -

Man All Man and Man All Man Al December 28 + 29, 1955. dominicanus Calleta Josefria and Porveners Bay

Thoto ou some airial bihavior by lends put up lyrue Complete acual L.C's are common in their circumstances. However theen able to nee the accompanying portines in mentiones, but in one care at least the acual L. C was accompanied by both HD and D poiltues. The HD port ure was less extreme than my drawing of the arnal HD of the Herry gull-11 & mon like my chammes of the securil M of the Munggull.

December 27, 1955,



Manuelipeums Garveur Bay.

Glave reen some previne behave. 111 in a row. (Second & approached on foot. golden tree the approach of the

first Q). On beach 2 claborate MC's. Both mutual 0->F-> VOHE 11 1 The Suit of their HB'd repeatedly from V's before Slying off There I's men mer extreme. Or extreme as any I have ever neer in the Blig. Bell pointed strongs upward, base of week new low week as a whole moderates long, carpalgaints held may was out The all notes of this species are particularly load, barrely a charge. Just about 1 & as much so is those of the Dolphin gull December 30, 1955, scorsbi Vowenie Bay. a m. fame place, some group of liveds The altrotte of the yreces are particularly loud, haul, o drays found very much like their of the Patagonian Blig but probably comewhat deeper in jitch (on the average). How a species unlawing bour the anoit emphasis all's of any gullo I linow-Like so way gulls, liver of this your always que an LCN note when flying up from group. alwart alway one of the handler, boarser, type. Have seen two more L.C. performences the HD-O like yesterday (This bud was adult, in full nupteal plumage). One HD-0-HD-0-T-T There T's with T-motes. (This beed was solvet, in half writer plumage). One suverile flying about, by humself in quite an extreme Emitte Heafit Much the most of theme I have ever near performed by a large Tous gull. Get as astreni, because, as the sweet interio performances of the Blig and Bouaparte's Gull - lacted the spectralar nectical plunger a wars)

all the buds flyup when a Hiera flee; evaluad. He was alwased alam, hut not too very votices. The whole performance can be classified as a low-interest filest Panic. But flew up with a few all motes, flew-together, flow-ent ones water, cricled and reparated, landed again

I have new quite a bit of pursuit fleglet believes One gull chosing suother, oraquel channe a Shua Usual foun, quite menteresting. afair amout of twentury o turning Sometimes accompaniedly slight; obmonituret

wolziel are that a diallow, surops and "flying" boars

More about the Truspowerse. I have now one bridget least dorsened T's unveductely before attack. That of the The do not new to provoke any reaction in the buds toward which they are directed, but now of them appear to be entimeredating, inducing the head toward wheel they are described to flench or reticut elizate I have seen some more extreme T's . I then are el-

attack. There of the T's after Care also high interesty leve this. I have come to the conclusion, we destries that the "gentle" or "ntolice" appearance of these berds is really mirleading Bufattack behavior is really quite common. And The are very common indeed their of thou are elight) - Here revers to be little doubt but that the protect I'm take the place of " of the scal o of other species CLON's are relatively very nare in this species - out least when the heeds one on the ground).

Theet of the To are your from a new street-nucleal, "relaved" (adjust It gorton). Weed un't unally thrown track were then - I have however, seen one case in which a land gove T from it. Thom I was very reminiscent of HIS, Back of head brought a down as the will went reps.

on Hove non four more L. a performance, allly bends w compthe support plunage, (there are entered more active than the other liveds) First, a livid went wite "low intervity O posterie" (see below) gave almost of muffled anotes, with bell completely closed, then did I definite To with I note, bill stell completely cloud. There was no trace of of our the preformance, Courtentally, thus was defruitely not the same build that did & c. s without HD systemby); and the fact that O's can even multionit HD, and not, apparently, the reverse, would suggest that O's are lower without than HO's. The next L.C. was HD-

much like the

during ried

O-T-T (both To weth Treetes). Four just lette yestersteen The other 2 L.C's were both HD-0 and nothing more again noticed raising out of carpal yourts during HD , (probably the carps mont in again, a lette, deving much many with intensity of the of our open my open during, O, no trace of our openmig & closing in Mythin with notes. I think that the name is time during HD. It in possibly that the lettle closes slightly between to and O, but I were much doubt it. I though that the bell closes or relunant closes before front To and it rectainly does between This. all the O's in this series except the first were lugli intensity Oportures (rec below). One thing about all the +D'o and O's I have reen rofer is very stutures - they all look very short-welled. This way be due to the fact that I have one rece low interest forms of both patterns - but I doubt it. I thene that the appearance is due to The proportions of the builds themselves, this species is very clearly.

The low interiors form of a sprease to be very diagonal - lilie the shetch Tolicro yesterday. It usually occurs when there is no HD, or when the Des short and the accompanying rounds are weak, (although their are exceptions) It is interesting, therefore, that this O appears to be identical with the posture from which there levels arreally deliver busif peeles, Calthough the will is relation opened as widely during the low-interesty O's as it is lengthe during pectes). (Lelie V with curved The high-unterents Operluie is belie the much). This porture may also orcies during figlets but stances), when an only in the relatively rane Cuittere circum-

relatively interre attaching. Grote about al C notes on ground, Canol

actual mutual scuffle develops. It is certainly

porture from which notical peches are delivered

principally man also, the tall is quite widely open and shut with early note

"complete" form of the ac performance was HD-D-T, (with The respecting wently repeated

adults incomplete mystral plumage are about the physical appearance of the birds.

Adults incomplete mystral plumage are about whiteast brace of hill, have whole
the explorence which are facel, conquirous. Red eye was quite voticeable
Light ey. Dark brood of adults in winter plumage and givenals is now,
compriseous lent pulsaps less extensive (doesn't appear to reach quite no
fai down neck) than that of Belcher's Gull. Their birds also have white
explusions. (The white explicions are fairly thin a small). There is one of the
explusions, Cola Belcher's Gull, in which the adult has white in front of
cargo, Someone on outline" conspicuous against black of wing, and, in
part, against black of walk. The pearl-grey twoje, viscidentally, appears to be
dailiest at brace of back of week. Color of bill (in the west vividly washed
land Than seein) is as follows:

Uniset (almost
oration—flesh (alor).

Uniset (almost
oration—flesh (alor).

dominicarus

December 30, 1955 Power Bay

durky smudge here,

muy or both

almost like a trace of a

Juneal lind, apparently first-year, (purch linear, with light marking), flue in present of a show, then wheels off, flue toward, except for a complete acreal i. ... lands His Lic. was quite like that of adults; except that the notes were somewhat "recoly" in quality. As for as I could tell, the only particle accompany-neg this i. C. was a week curred alightly upward and stritched res far forward. This root of thing the production of the midelike that present gulls are quite "capable" of producting elaborate hertile duplays blue those of adults. It is just that they is a cloberate hertile duplays blue those of adults. It is just that they is not for it in the arcumetances in when they usually find thousanders

Agave new quite a few-more cases of airial L.C. 's by adults to -day. Itsually lands flying over me, and obviously dustinited. Can defwitely state that the wings continue beating throughout most and probally all) are al LC's Orienterecting one adult land, with food in b. ill, was pursued by another adult heid Very rapid, prolonged purmit. The pressured lived eithered 2 or 3 or 4 complete L. C. Is change the chavemore of which was accompanied by returning portures anoticition furnit flight. I have seen quite a number of ction in the course of the last few slags. Much rapid twisting a turning. Founds a few short shallow abrious curitualized, swoops with beatingining. a few short, shallow, obvious unsitualized, soars with heating wings all forthers level with a second of the seco and "glidue" sours Decerely 30, 1959, Formener Bay. maeulipenna Howeverneural more cores of M.C. of O -> F -> UN-HF Have also reen reveral cases of O-> F by buch on ground toward flying buch Just like B. lig. this yours also has a definite ritualed Lwoop - Loar complex. Have recurrent forms. Once, a hard threed a Strug in air, made repeat? ed, very long, gently cloping, fivo ops (flying) and frais (both flying) and gliding) at the Struct. There were almost as evitime as the most es aggerated surgers and four of the Bh 9 woward also nome interesting behavior toward me. Quite a number of brids, Slyingley along the shore line, have stopped to wich we your uttered was awal serial LCN's, all's, and, wour "notes. There are probabily occ notes. Sometimes, at least, accompanI will by enviry-beats of alightly greater amplitude than usual.

Lowe linds circling around me have also performed short, aballow;

Years sweeps and flying or glishing boars, some of these are indirected in

Plying furgeps and flying of gliding hours, forme of there are indirected in warms - Here the furgeps is accompanied by PCC victes, and the foar is an amountained by PCC victes, and the foar is accompanied by a west formed by a west pendian secure of notes. Here the funds at all note -> all notes -> attack Coll during fundop.

Thus are went of colls suggests that the all notes of this species, like those of the Dephin Gill (!), way contain a relatively stronger attack element than the all notes of most species of gills. It also, in all probability, supports the suggestion that the "littack Call of the middle and is gulls is really a confirmation" of all a LCN, or, rather, that the attack Call is a less from a regressive of Cell notes). The foars following their sweets from a new rapid reverse of Cell notes). The foars following their sweets from a new rapid reverse of Cell notes). The soars following their sweets from a new rapid reverse of Cell notes. The whole swoops seem performance in

there circumstances can be diagrammed as follows:

Dan faul certain that the lenguest or "twowgrest" awal LEN'S, those that are most like the LEN'S of Bourpaite's Gull, an uttered by adult buds in non-nuptral plumage and/or minatures.

Patril baren't heard any trace of a complete accord i. C., although I have bened reveal liveds attendong never of ich 's in new rapid runcinon the the rotes were more or less uniform in pitch;

December 31, 1955, Powerise Bay.

conser forest bards, some place

another b.c. performance Their Trais by emmiotories, Cotall with brown on upper every-covertor, of HIS-O-Twith Tracte - Twith Tracte Exactly the source as that of adults, in particle and voice.

The LON is remember by none in the species. There are hours, during which

hundreds of T's saus, during which there went more than one or two were's

The V and the AF are also extremely rave . Could the WE is were than the V).

Thanky be no or more of there , all may low-interests for may one LENIE the

group of birds feeding on the ground.

The only time at all when the LCN occurs with any appreciable frequency is quit as the bud fly up. Thus it is almost invariable. Probably also were common

among level flying along their in livide on ground.

1118

111/8

I wright add, suit to wake things clean, that the work of this years sound not not it enuc from a ment larger land Rather rivilar, in fact, to that of the Kelp Gall, lits the "house" grality which is particularly reministrate of the latter).

Augle 0, "low interest & portere", disgoval Bill spen, notes not muffed

Have new neveral cause of Tafter exape by robults in ruptial plumage

Thus the To in unneclisate association with interest as exape con large by be divided into the pollowing categories; a great many after attack, a few before attack, a few after evape. This would suggest that the T patters is low interest; with the attack pessage drives about evenly balanced, or, quit possibly, escape very alights, stronges than attack. There is certainly no violitation that escape is now much stronger than attack. There is certainly no violitation that escape is the T of capture laughing gills (and the TT of the Pring bill??), and to some effect prehaps, the HF of ware species

Quotite L. C. performance, by adult in complete or almost complete writer previous elevations. HD (note harder than there previous elevation, more or loss "Hiscarr Heecarr" -> O (new lines, only one works) -> Twith Truste -> Twith I note.

The fact that the may occur williont, or with very little O, might neggest that the difference Orlinean HD and O is no milling were their a pure "cultingity difference.

I have seen neveral very displit R's of wantle feathers after attack.

On linds in sent I or continuency factor, laduets of all stages and juvenals)

Only in the case of our privated, however, was this Ratall conspicuous.

maralipennis

Describer 31, 1955, Porveyer Bay.

a lot of muscellaneous stuff seen today. a Jezugbuel, with food in its bill, chandley Kelp Groll Much two. stug and turning small forced to deep food. Then flees away suttering long-drawn LEN notes Keeceaar breezeaar. There somelocking high interests nuttin less quavering however than the notes I colled occ notes yesterday (actually, I doubt if anything like real occurrence should be dis tuiguelled in this speces. The notes I have been calling occurates, allhough almost certains honologous with the occ motes of other species, one probably nothing more thankingh-internety LCN's in this yrecies). The interesting thing about this performance, however, was that the first a long notes were delinered from an extreme acrial Oporture! !! accompaniel by beating mungs. Merged smoothly into y a news of 3 progremuel water notes, progremmely deeper in petitis as the bud willed and landed (Thus the whole series of motes can landly be called a complete arrial Long Call - the last half was & Tandway Call ?.

another, somewhat similar, care. Again a beid with food in its well chared by Holp gull in long purmit flight. This time the purmed burd uttered a whole rever of their long ICN by in extreme O particle, with the food still held friend, in its trell! Have new newal more M.C's Both O-F- V+HF and V+HF types Have new two different lives, during M.C. o do 0 > F4HF -> V4HF Heredaffying bird either an awal LEN juit lelse "Kwarir" of Blig The Landing Calls of this species are really remarkably chalorate. Quite as elsewate as ground L.C. (and round just lette rome ground L.C. o) sort of line speaking of ground LC 6, (and this may be a repeat), the usual news of notes is certainly one of nicreasing brevit, and elepth of pitch. a very common type might be represented their . The reacest there to neveral "behavior I have seen recently is mutual "FB" Both lunds Ting from H. Then of goes up into Us does one extreme HES relepres into Ting from to. Then both heid relax a shrit up. Have neen another flying bud make a ment swoop (flying) and four (gliding) toward a Shua. This time, however, the Shua was standing on the ground, and the Swoop and Loar, although moderately steep, were relatively short Get repeated. On general, nour of the gulls record to be as upset by the presence of Huras as are the & American Terms).

December 31, 1955 Vorveur Bay.

Then are quite a number of there but here, and they are quite actives both in the our out on the ground (and even on the water, but I haven't been able to pay much attention to them. They are a cound rear the dolphen gulls as far a 2 can tell their calls, and they withing home a great variety of then, nound just bleethe Common Jean.

all the und appear to be incomplete mapital pleasures except for one or two

with a little whete ou the forelised

They definited have a the teleportiese Offen wood as greature theolis juit lille that of their relatues, Sometimes apof parently reberit. Often will. a call. Ha has been have & I think ! Then the bell is alightly open 5 I thereby in slightern with the mandeble opening and clas- ugs the parties in fruit unjurion that, during IN Co their , premiable as the sulturity of sometimes decreased the earle stops while the parties is still maintained. "Lower internet, forms of the poil ure are characterized, by lower, more nearly hougoutal, will a premued variant of the flictely poully lower interests or poully due to different watere iterates of the hostite devices, is an Aprillet aften to follow the Volumeing MC's. Both the St and Vace accompanied by Telling during Mc 's The less west -) real Jours of It and the Umay ale de accompanied by HF.

There is also a scooping complex. Little bowing movements, new rapid, from It The porterio at the bottom of the low is revenuesceret of the Bengestilllugthe "Kaahaalaa... Mus herryway is defunitely accompanied on "Ha ha ha ha ... " call. The whole and its down a up movements, is very performance, with its I call as glik in the Elogant Fern. The only Leooping I have seen was performed by

Cotto breids of a procured proces during a despute with a resiglifier on the mud feets who wellers a whole group of breeds was rectured We "He ha ha ha me. I call is containing also given by figure trucks but Deleve to moun with a dest neovene at and partities of new ____ I have need toward toward become principle of the there in our or an governor. There I busepasse always externes were steeped long. It is interesting to note west 11 1 the an all followed by long, step, flying know and the second of the second o In the ment of the second of t dominianus Barnerin Bez many characteristic and a second and a secon House occasionally instituted a large groups of knot freshing on mind flat wear the outlet of small stream. The only thing that imprened me here was the & figures of M- motes in obmedical frontite encuentarions Quite often green by bursto not were their matro, Day not even need that their metto were grownt in the crowd) all this were reminiscent of the Herring girl and Dan sures was right is tracing a committeen between the M notes and the HD notes and have an electric three-party and market another a finite family above the research all my - 1 - - marting and a land a land of the martin and a land of 25 1926 scorestere Tourner Bond and the following process of the pro There here I was the performance . Hapoitement willout new the are pargue porteres but the more shipseld ND-O-Transfer Tooks - with the the and HD-15 - I liveth Tour to) . This imment without they alway the last perform With several west that the of particon travel det least is, perhalis to sylleliles 11 the range opening - low-overhead is a Tweet Trate

Howe never V+ HF not after attack. By one adult in full mujetal place

Will! Well! Well! This species does have a complete acual L.C Care heard it gruen by one of a pari of a ducto in more or less complete muptial plumage figure was out in the bay. Ones ly an addict in group of huds flying over itwet who came upon our ouddenly. The faction atily in neither care could Dice the accompanying postules (There might bouse been HD and O protines , but I ceit civily can't tett) in thethquife mances miduled "O" calls of many nythables (a or Tax least) In the case of leted ones lay the mings continued heating through the performance In the case of herd ones attent there was a tending to gende then to huow exactly when it began; but the kird was gliding in to land on mind flats aughen

There recent to be rome retention of pair bouch in the burds in the group here at least, I have frequently seen a liveds strele together, close, for long perends

of time, without any ugn of heitelite.

I woulder of the fact that the levels almost always give ICN(5) when flying up from group is a sign that the LCM's not purely hostile, is still a soil of generalized theresting reaction???

Ittule not: I have guit were about sor to cares of hurds flying up unthout ien. and I think that it is obvious that the larger the group is, and the sucretigint's packed it is the mon belief lends flying up from it are to gree the LEN. Shoul be actility too

Wall just heard another L. C. Obreside HD-D

Willight concertion to one of new carbier leets of description. The operar despressed a lette white along front port of course (particularly underneath, toward to sere), had the light ried that is particularly sommercies when the except the carge. (I must check the light along carps in all spears in about) The just beard another L.C. Olivering 14D-0-T (with Triots)-T anti

Tructi) agentia lot of ryllables in O Excl.
How were reveral good cares of HF after except By sains and adults in both slumages. Our grack (not evagelated) movement.

This species probably has a hortile Gost pattern; but it is new difficult to distinguish, as I always see their on potential feeding openeds and the Gost woments I do see could be very easily feeding int. mons. I tell-bends sometimes Gost when "newers" at my approach, and sometimes when there is overt intraspentic hortile behavior your anni group; and this sometimes appears to be unconnected with feeding. I must say, though, that I don't think that they give hortele Gosts ready as frequently earthe Beleber's Gulls I mu- a month and a harforgo

skua chilensis

Vicer gents Grande

The Arak and Denisted a large coloning their liveds were lively, tester, found every, all young apparently batelied The young liveds are found waveled from a few days old to 12-12 grown. Doledu't manage to see much believes y live a few intensiting facts emerged.

on all of the fluor, even at apparent, high intensities, is only a mononyllabie or bresyllaber, deep, anoderately sharp, hourse "Huh" or "Huh
huh" (It is possible that transplaber all's occur, but I nother cloubt it)
Her relatively few motes in this all mould strongly magnet that few note
all's are principle of they have this far been found in times, all hosoled gulls,
with one or two possible exceptions, and two long grells — bender the fluor
the inside of the mouth of a brief with a hour wing was light truguouse,

or, retter, liviglit agua marine libre

The creval L. C. given by flying liveds when we drittubed the colony
was a 5-7 note affair. Notes deep a boarse, deeper a boarse than there of
any gull I bnow. but attenness seinilar. The whole performance might
be represented as:

(I am not were whether it
really went up in pitch in the middle, but it defaulte, clid become strong-

Other must have been to soo all Jeynes about rapidly usually lugh in the air); and so I don't have what pertures a moneurus, if any encompanied the call.

I saw all norts of wealeut accord hortilets wither group of builds. Rapids twitting chares; accord fights; fact, long, nather aballow- woops; a few of colong space; a lot of flying somes, etc.

We were diversulted (i.e. charged and/or swooped at) repeatedly by the emaged parents, (who now again each time with a flying soar). The interesting thing about these attacks is that all were release. The same thing is true of all the with a specific attacks I saw. This is most emergented.

We piduol up a cluebs in our hands. One was at least reveral days old, the other was at least a week old. Both gaped a lunged, but were alrobately releast. Like some old franklin's Gull chieles, after liewy hild in hand a while Quite in contract to a young Pelp Gull Calcut a week old) which we also pulsed up to day, and which opened, lunged, a recouncil jiw. rattle "LCN" at us nin-ultaneous.

manlipenus

January 2, 1956,

A few notes on stuff I have alwest forgotten.

A level flying enound in our, attitud LIN's, moderately long, moderately close protein from an extreme O porture. In other words, in this species, the extreme across to porture of this species receive to have become definitely associated with a words cition wheels in low interiority and other spaces.

this and the fact that I have remall roots of apparently lugh interior ity arrial librate luctures werthout i.e., is beginning to make me think

that the species doesn't have an acrial L.C. at the very least, the acrial s.c must oul appear at new much leger interesties their rouse of the s.c.s of for untouce, the andean Gull and the Help Gull. I have new an extreme ago. Upright just believe drawing of the covery outling poeticie in the Blig in my their fame sounded rear of head. Oct Cart ! Choling Or a reasonable Jacounde thereof. Bud in portine alse less extreme Ch of Blig I sterning ratter muffled memoris of ich's of the "Thee-a-war" type. Their inevailly mineral to the "low intensthe "the of the Blig with of feeding call"! The fact that I have neen sor lettle Ch., and yet so much high interests O and F3 would certainly megget that the the of this species council appear at much low interesties of motivation as the ch of the andranguel hunt be were like the Chafthe Blig in the respect. Three were reveral 0's, as well as V's, before attack It recurs we colded that the O of this species, like that of the B & g, is often, at least, a relative of new aggressive pattern. Hear Gente Grande primelinarea and vica.

a few notes conthe behavior of the Lawerican Jem, board primary up - on observations made along the coast here, in or near nacions breeding colonies, with row companions with behavior of the rica Jem.

Instead, in Porseur, Bay, that the L. American Jem has a Bengertellings

but Dean't ray onything more about it

The anial call growin by the lends that fly above one's head when one enters a brushing colory is a musession of not-very-close together, new Common Jem-like, " Jeee-ern" or " Keeen-care" notes. Just like the Common Jems at Scotthead. Thes is the note which I always thought we

III aven from a porticie resembling an acuial Obilique.

The frih-carrying level during Fish flights, Candities species certainly has plenty of them), retires a "Dera base has been" call which is now min-der, pouchly identical, enth the call I beard oliving Scooping on the ground.

fuch facts are beginning to make me change my mind alrot the relationship between the Inca Tem and the Sterna terms (russe lato). They way be failful after all. I wonder if the "Rece-aar" note is homologous with the Raysofthe Inca Tem?? (Both notes are certainly quier as a reaction to a predator or potential predator on the ground. And the "Rece-aar" mote of the Common Tem, on the ground, is certainly quien from a semi-D, new -V, portice belle that from which the Parp is quien). And I wonder if the "Raa kaa haa haa ... "form of Glike is homologous with the ? (The posteries during Scooping are not new different, in fact are negricular, to the nituants always of ruea Jems on the ground not be forgotten that the call of the frib can yway of Inea Jems on the ground walso that of a root. And I die think that when water "Leoop" together, in a dispite with a third brief, they remetimes tend to reduce their scooping lowered one another — nother like the reduced that the reduce. — cettal list of True Jem water). All this is certainly vier voggestive.

One repect in which the left of the men Thin differs very decidedly from the "Glibe" of the Herna tirus, however, is in its relational up to the "alaim Call" (I must add, vicare I forgot to earlier, that the "alaim," nature of the few "mothered" less notes uttered by Inca Terms flying up from a potential prestator was
particularly clear at Josephloz where many Inca Dern pours were neiting reatteved in the landing barges). All the fleina trues recent to leave those "Tiketile" yellables as alaim Frotes — nowething which the Free Ferns remed to
lack completely — in that particular form at least

January 3 45, 1956, Gent Grande and Powenie

Notes or the acual & C. performance, which I have near regreatedly in the buds flying above the Sienhouse et Bente Grande and the buds flying along the coast upon Vorwenier. The Mr phones is unally Colorage & I shoot Conduct elucup accompanied Catta HD poilice - apparents), while the "O please is after very long (a-9 syllables) Concoupin that the acres O poiline is much les extreme transtrat of the Nevery Gull forestimes about brigarial celos sometimes at least, the bell looks posterna 3 plump in the circul o

, show a real o

Maria de la companya della companya This years looks long-winged in the air The appearance to destro bright

of the cum not that of the houses generics.

Hoticed about 3 juvened Holp Gull feeding with the Dolphun Gull by the certolla factor Just fording, most of the time; but they occasionally gave trucke (insual large traces " Heroor types, of wet light putelied of pine" in round), usually with slight trace of Trioversent; from feeding posture, or illavelypotena, or even H (wor or less). Heriolist not seen to be FB. Hot directed towner adult Kelp Grelle Mever repeated us FB T no often is culain by not accompanied by any 173 peding movements toward will of brief toward whom the slegher was alreaded. There might Twotes, in facts were very rememiscent of the The of Secretly & Gulls. I thene they went have been houtele reactions provokedly to close approach of other built, other Help Gulle and Scouley's Gulls The in of some compountains interest

Thust agreen steers how polyplates is the i.c performance on the grow-I and . Prequently the O contains up to 10 notes - revietures more. It is culturely & my confusion - although nothing more, that their is more polynyllaber were

Just M notes (little penning very midely, and closing again letiter notes)

from extreme, moderately agg, e, in obvious hortile dispute (This is rather un-

the other M's I bowe reen, which have been given from the "weal" lavience M portures).

Must add that I have beard a few 5- yellable al-Clo, his plying lives, but they are titll very much rares than the Junion to Junion to Bay. 4-yellable hind. Siere live Bay.

Both yaterday and today I have beard with interest lettle group by the Centrals factory, that I had not beard or had not motocod before a "Juk" or "Juk" or

I have seen a bend down pronounced G, over its choulder, during note eat, after brung attached although the 'G pattern of this species is probably unnitualzed, it is venially was compressed because of the bright courses runnilion color of the bed and the substrained of the wordth, Clighted, least be
ight pulsaps, out the commiss of the gage.)

Mis morning I noticed quite an unimal number of run mall in theme V's (unumally extreme in these circumstances — probably only low to moderate internity in malety) after attacks. Carpol joints quite difficitely out four of theme V's were quite "any "or appearance, other approached the "any" or as anofe of will —, although the brood was never as "flattered" as their in front, as dreining "well "un of "o Mercis one problem unrelies livere. Merchandrosso Vofter attache appear to be more light, metworted, in more "stronged" than their who Time the name circumstances. So this really so? If no subat does it must about the governor amount of low-intericty, now dutouse. (and the Time Circumstances)

scocedice, Jan Co, 1956, II.

mean distance pattern - often at least)? I clou't think that I can dende their on my present evidence.

A few mon elescriptive rectes. This aperces has a pronounced speculium when flying, it a relative fire fluored what beind along tips of necondaries always "land" along tips of all but the most dutal primaries - (returned a revier of white apolo on most of their). The species does not, in spite of its relatively small rije, appear relatively long energed. It doesn't look like a patticularly awal form.

Thereol another complete ground L.C. Olevery HD-D-T.

Thus T'iniz of the valuel formula b Gulls in hortile situations is remarkally insular to the behavior of ziverule quells of remions apones. Cit is remarkable, as noted alrows, how the privails the populs, wither cause opones use the Texact fells the feorethy!

Onlls). Deserthis mean that the frequent that its Ting of Scoreday's Gill is a primiture or a mederic character?? Good question

be only ove "young" plumage inthe group - dark bood, brown on unings, still lease, bill like young Belcher's Gulls). It is new difficult to tell exactly when a how this occurs, on the ground, as it is very brief and always occurs when the briefs are brunched together and very active feature. Certainly concluted with little fluories of actual attacles and very active feature. Certainly concluted with little fluories of actual attacles a fighting in the group. Certainly nowetures of actual attacles after being attached, (i.e., of course, anomated with nome actual retreat or fluiching). Brokably, Calmort certainly), by some young lovers, at least occasionable, just before attache. In any case, it is quite observably a hortito pattern and higher intensity than the Topatherns.

Franconfrom the fact that the Tratter is the one given by buds on ground, both young and adults, toward build flying overhead. (But only buds flying long close overhead - they don't nearly in their incumstances, to linds flying built.)

Still not a trace of a Lauching Call!

图察

I have again, reveral times, heard adults give LCN note Crowntine not even "muffled") with Truovement. Once, in fact, I heard an adult (myttal plunage) quie 2 LCN's methode T. Although nome Treates are apparently given without Trusurements, livlien the hoods are particularly living feeding), and nome Truoveneuts are given without avalible round, both variations are relatively very race. forme To occur without viulle opening of bills others with visible but reight opening a clowing. The note roundsthe rame in both cases. The linds, on the whole, reen to be even less active ruies returned from gente grande than they were lesson I left. and the group has during it ed in There is certainly no right that buds are dufting in from a breeding colony as the breeding reason slowly draws to an end. I think that I winat have nussed the bucdung reason completely January Co, 1956, maulipeums Vowenir Bay The state of the s More acrial stuff Have rem remed care of shoot, moderately steep, twoops with the long LCN's. Hyung twoops tollowedle relent toars, cetter glidug or flying. Humall provoled grue. Sometimes directed at me but unally redirected in value? Gester day Inoticed an interesting performance of a bud being divelonibled at repeatedly legant aware con Tem. Thew back of outto reia relaturez limited area in mextreme errotu fleglit, Calmort rem inscert of immotive Bonapacte's gulls). This enatic flight incorporated a muller of about, steeps bevoops (flying) and soois (flying). the whole performance was relent - except that all the Lordons were accompanied by 1, 2, or 3 of the long LCN's.

Aprile reen a lind after repeated long Len's, (all on one pittle - definitely not the usual Landing Call), as it came opening in, using half-folded, to land may roun atter lands of the name spense. In extreme accord O particul (all the follow) action extreme according winds, which the presence of the microlist would necessary that the presence or alrevice of wing movements is rolely dependent upon the newdynamics can olved)

Have neur a of, on mudflats, duplay with one of walk over to a record of, duplay with her, then walk back to the fruit of and of through another duplay with her. all their duplays compared mutual 0 > F -> U + HF -> U. This was new remains cent of the early pairwing behavior of the Blogs as we naw it near front on there, before the occupation of the colony area. Thus the famous "autumn recrudescence" in this care.

Dunnay 8, 1956, Printa arenas.

Owered mote about the lands found in the Magellanie Region? On the wandand, in Printa arenas harbour, both Kelp Gullo and Patagonian B.a. g's have been common all the twie. Afew shuas around both before I life for the island and after D came back.

On the island, from Calleta Josefina to faita, the Kelp Gulls ence equally common and the Patagornian Blog's even commoner than their were on the mainland (although still not as common as the Kelp Gulls in most places). It was were somewhat more abundant than on the mainland. There were also 2 other species on the reland which I have not seen on the main-land. I american Jews and Dolphin Gulls. I Commican Jews more common evenywhere, and had colonies scattered all along the beaches. Dolphin

Gulls were much raries (certainly by Soir the rarest of all the lands) but there were little groups (5-30 build) here and there along the coart, (unually wear Centalla factories), and stray lends or juices might be neen plying along the coart almost anywhere. The one mulle change I have rean in any of the herds during my two weeks + luce is a slight increase in the number of Patagonian B. 4.9's moulting out of neighbor plumage. January 19, 1956, Cartagena A note about the gulls Thave reen around the Lago el Veral where I have been matching Rudely Dueles. a mulier of fraulilin's Gullo have come to the lake from time to time, to bathe, occarronally rentive, o recepting on poles in the water for considerable lengths of time. Both unwatures & adults. Of least 2 adult Catagorian B. h & s have done the raine thing, (one in complete nuptial plumage, one in almost complete menter plumage) Jarge numbers (10 or 12) Kelp Gulls have come to the lake from twie to twie, just to bathe apparents. all ages There are even more on

There are also quite a lot of grey guels on the hereless Mostly adults in writer plumage and or muratures

There are always quite a number of terms flying a Julius offwhove, quite clove to land Premural hierarchinasea